United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State
Department of Natural Resources

March 1, 1981

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW SURVEYORS AT MT. ST. HELENS, WASHINGTON.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES:

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

Irrigators May Face a Water Shortage This Year

SNOW COURSE MEASUREMENTS MADE ON FEBRUARY 1, 1981, INDICATE THAT LOW FLOWS WILL OCCUR IN MANY STREAMS. STUDY THE ATTACHED WATER SUPPLY FORECAST CAREFULLY FOR STREAM FLOW AND/OR RESERVOIR STORAGE FIGURES THAT CONCERN YOUR AREA. KEEP IN TOUCH WITH YOUR IRRIGATION DISTRICT OR OTHER OFFICIALS FOR ESTIMATES OF THE SUPPLY AVAILABLE TO YOU. YOU MAY FIND YOU'LL NEED TO CHANGE CROPS, REDUCE PLANTED ACREAGE, ADJUST TIMING OF WATER APPLICATION, OR IMPROVE EFFICIENCY OF YOUR WATER DISTRIBUTION SYSTEM.

THESE ARE SOME OF THE EARLY DECISIONS AND PLANS YOU MAY HAVE TO MAKE:

CHANGE CROPS	Plant crops which require less water.
REDUCE ACREAGE	Reduce your crop acreage. This will help you make better use of your water as well as reduce the amount of seed and fertilizer you need to buy. Be sure to use cover crops to prevent wind erosion on land you don't irrigate.
CONSIDER ENERGY COSTS	Even if you are able to pump supplemental water, you should compare inflated energy costs with anticipated crop earnings. You may be money ahead to reduce acreage or change crops.
CHECK IRRIGATION SYSTEM	Check your irrigation systems carefully. Make certain that ditches have no water-wasting weeds or debris to slow delivery, sprinkler heads don't have leaks, pipes have tight connections, and pumps work properly. If new parts or equipment are needed, buy them early.
PLANT BEST LAND	Plant only your best land - it makes most efficient use of water. If your soil has been mapped, local Soil Conservation Service (SCS) personnel can guide you. If not, they can still give you general information.
TECHNICAL ASSISTANCE?	Maintain close contact with the Soil Conservation Service or your local Conservation District for the latest water supply forecast, and for soil information. SCS has water conservation pamphlets and other information that can help irrigators get by with less water.
COST-SHARE OR LOANS?	Maintain close contact with local offices of Agricultural Stabilization and Conservation Service (ASCS) and the Farmers Home Administration (FmHA). If a drought situation develops, funds might be made available for cost-sharing or loans to help you apply special water conservation practices.
CROPS, FEED, FERTILIZER, OR MARKETING QUESTIONS?	Contact your local Cooperative Extension Service office for crop selection alternatives, fertilizer recommendations, feed supply conditions, and marketing outlook.

SCS, ASCS, AND FmHA ARE LISTED IN THE PHONE BOOK UNDER "U.S. GOVERNMENT, AGRICULTURE, DEPARTMENT OF." COOPERATIVE EXTENSION SERVICE IS USUALLY LISTED WITH LOCAL COUNTY OFFICES.

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

NORMAN A. BERG

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GEORGE D. McMILLAN

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPT. OF NATURAL RESOURCES

DEE C. HANSEN
State Engineer
Division of Water Rights

DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor
DAVID A. JOHNCOX, Hydrologic Technician
and
JOAN E. OLSEN, Clerk

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4420 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

PROSPECTIVE WATER SUPPLIES

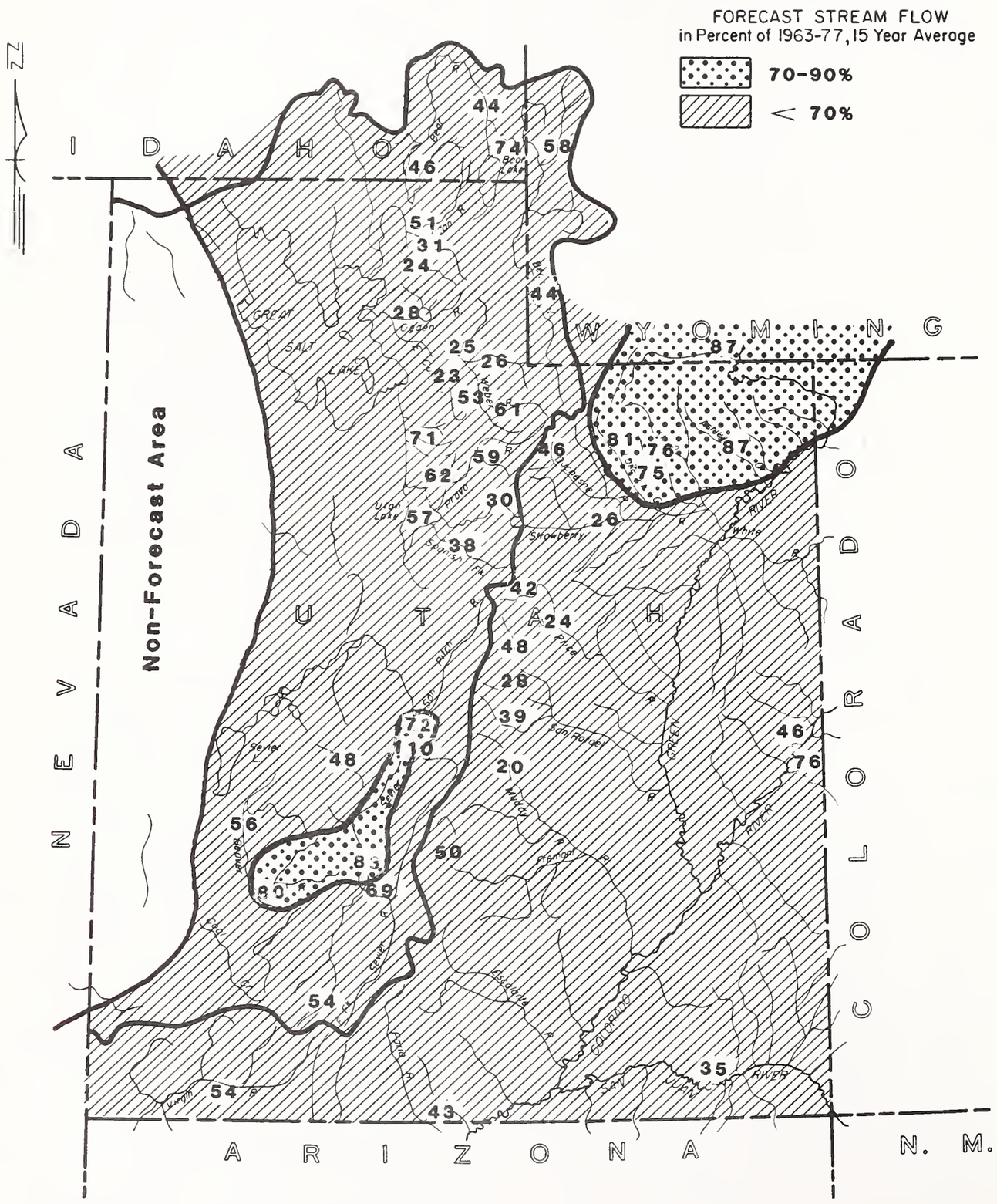
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

March 1, 1981

Approximate Date

50 0 50 100

SCALE IN MILES



U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK

as of
MARCH 1, 1981

* *
* Utah's 1981 water supply outlook ranges from *
* "near average" to "poor". Snow cover varies *
* from 23 to 88% of the March 1 average and soil *
* moisture under the snow is well below average. *
* Reservoir storage is above average but stream- *
* flow forecasts are well below average. *
* *
* *

SNOW COVER

Snow cover ranges from 23% of the March 1 average on the Blue Mountains above Blanding and Monticello to 88% on Sheep Creek above Manila on the east end of the Uintahs. Snow cover on the Upper Sevier, Virgin, San Rafael, Fremont, Muddy and Price Rivers is generally less than 35% of the March 1 average and the east end of the Uintahs and the LaSal Mountains are 60 to 90% of average. The rest of the state is 40 to 60% of the March 1 average. Most of the state has better snow water content than March 1, 1977, except the central area on the Muddy, San Rafael and Price Rivers where many snow measurements were less than in 1977.

PRECIPITATION

Mountain precipitation stations generally follow the snow cover for the October-February period and range from 30 to 90% of average. February precipitation, although better, ranged 14 to 147% of average and generally 60 to 80% of average.

SOIL MOISTURE

Watershed soil moisture under the snow pack is generally much drier than average. Soils are expected to soak up snow melt water and further reduce streamflow this spring.

RESERVOIR STORAGE

Storage in 26 of Utah's key reservoirs is now 19% above the 15 year average and about 15% better than last year at this time. Statewide, these reservoirs are 83% of useable capacity and most are expected to fill this year. The exceptions may be Pineview, Lost Creek, East Canyon and Strawberry. Filling these will depend on how fast the flow sequence begins this spring.

STREAMFLOW FORECASTS

Streamflow forecasts were reduced again this month and now range from 14% of average on Woodruff Creek to 110% on the Lower Sevier.

WATER SUPPLY OUTLOOK (continued)

Bear River forecasts range from 74% at State Line to 24% at Randolph and 44% at Harer, Idaho. Weber River is forecast 61% at Oakley and 28% at Gateway with East Canyon Creek 23% and Lost Creek 25%. Pineview Reservoir Inflow is forecast 23% and South Fork Ogden 26% of the April-June average.

Provo River is forecast 59% at Hailstone, 45% at Deer Creek Dam, and 57% for the Inflow to Utah Lake. Strawberry Inflow is forecast 30% and Spanish Fork 38%.

Streams along the Wasatch Front above Salt Lake City are forecast 38 to 72% of average, Vernon Creek 50%, and Settlement Creek 32% of the April-July average.

Forecasts for streams in Uintah Basin range from 26% for the Strawberry at Duchesne to 87% for Henrys Fork. Lakefork is forecast 81% and Ashley Creek 82% of the April-July average.

Streams in the Price-San Rafael-Fremont River area are forecast 20 to 50% of average. Mill Creek above Moab is forecast 76% of average.

Sevier Basin forecasts dropped 2 to 40% this month and now range from 26% of average on Salina Creek to 110% for the Inflow Sigurd to Gunnison. The Sevier at Hatch is 54% and at Gunnison the forecast is 92% of the April-July average.

Beaver River is forecast 80% of average at Beaver and 56% for Minersville Inflow. Virgin River is forecast 54%, Santa Clara 31%, and Coal Creek 53%.

Water users without adequate reservoir storage or those without first rights to natural streamflow are expected to have short water supplies by mid-season. Precautions should be taken to conserve and stretch water supplies as much as possible this season.

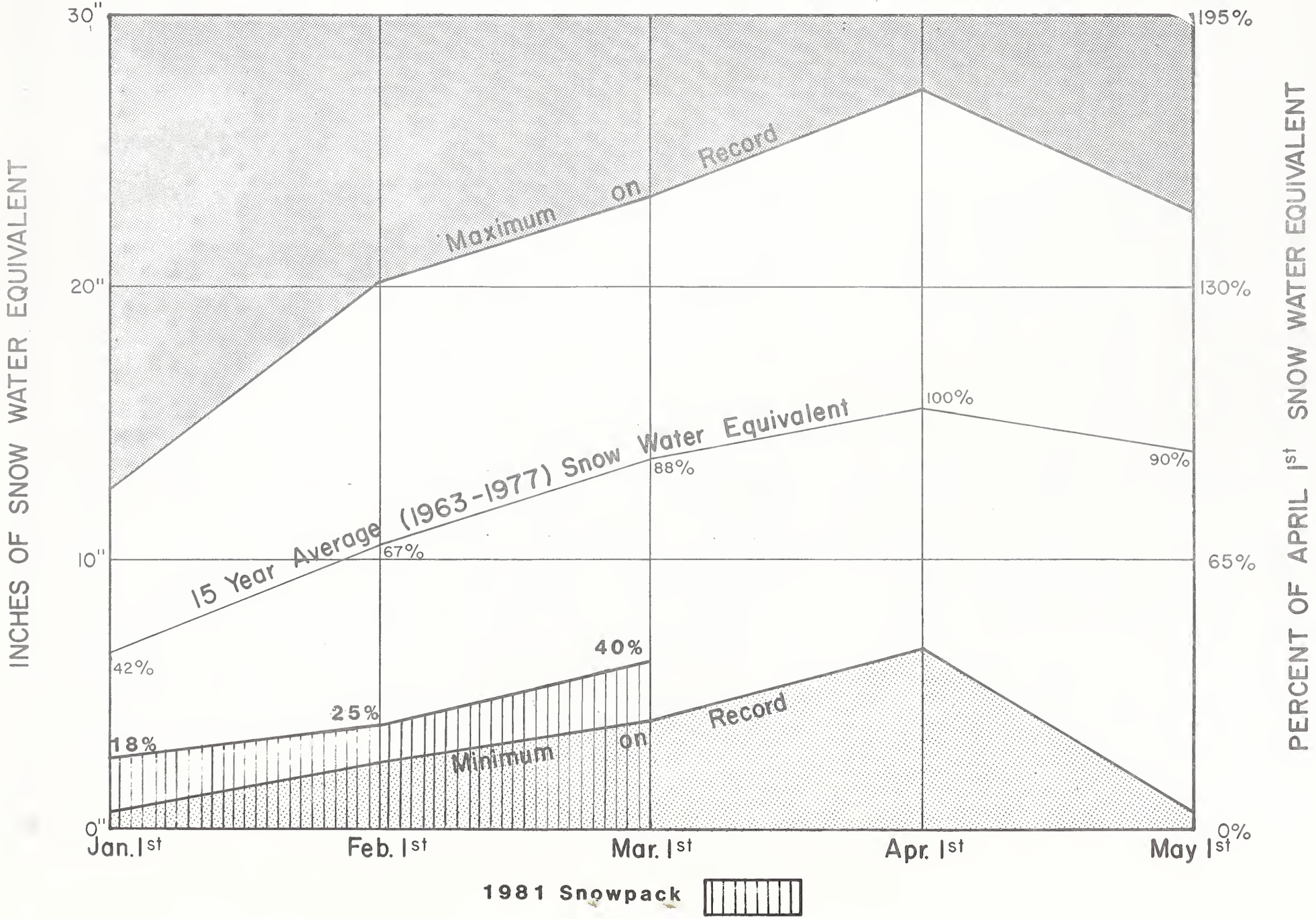
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	1052.9	1007.9	1030.6
	Woodruff Narrows	57.3	20.2	15.0e	20.5
Beaver River	Minersville (RkyFd)	23.3	24.1	18.9	13.5
Little River	Hyrum	15.3	10.5	10.3	10.9
	Porcupine	11.3	3.8	2.8	3.6
Ogden	Causey	6.9	4.4	3.1	2.0b
	Pineview	110.1	62.0	73.5	49.9
Provo	Deer Creek	149.7	115.2	109.9	106.6
Settlement Creek	Settlement Creek	1.2	0.5	0.6	--
	Vernon Creek	0.6	0.6	0.6e	--
Sevier River	Gunnison	18.2	18.2	18.2	14.0
	Otter Creek	52.5	52.5	46.8	33.1
	Piute	71.8	70.5	48.9	44.9
	Sevier Bridge	236.0	230.8	152.9	131.4
Spanish Fork	Strawberry	270.0	216.3	164.3	153.7
Utah Lake	Utah Lake	883.9	873.3	805.9	719.8
Weber	East Canyon	48.1	37.8	33.2	28.3
	Echo	73.9	58.0	52.7	51.7
	Lost Creek	20.0	16.5	14.0	13.2b
	Rockport	60.9	44.3	24.1	32.8
	Willard Bay	193.3	175.6	184.1	135.1
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	26.7	15.2	21.9
Colorado	Blue Mesa	829.5	446.0	445.5	--
	Lake Powell	25002.0	21635.0	21080.0	--
Green	Flaming Gorge	3749.0	2970.0	2440.2	--
Lakefork	Moon Lake	35.8	16.7	9.0	18.3
Price River	Scofield	65.8	50.4	44.7	35.8
San Juan	Navajo	1696.0	1253.0	1101.0	--
San Rafael	Huntington North	3.9	2.8	3.0	3.0b
	Joe's Valley	54.6	37.0	34.8	36.9b
	Mill Site	16.7	10.0e	5.0e	--
Strawberry	Starvation	165.3	150.7	37.6	130.0b
Uintah	Bottle Hollow	11.3	11.3	10.4	9.9b

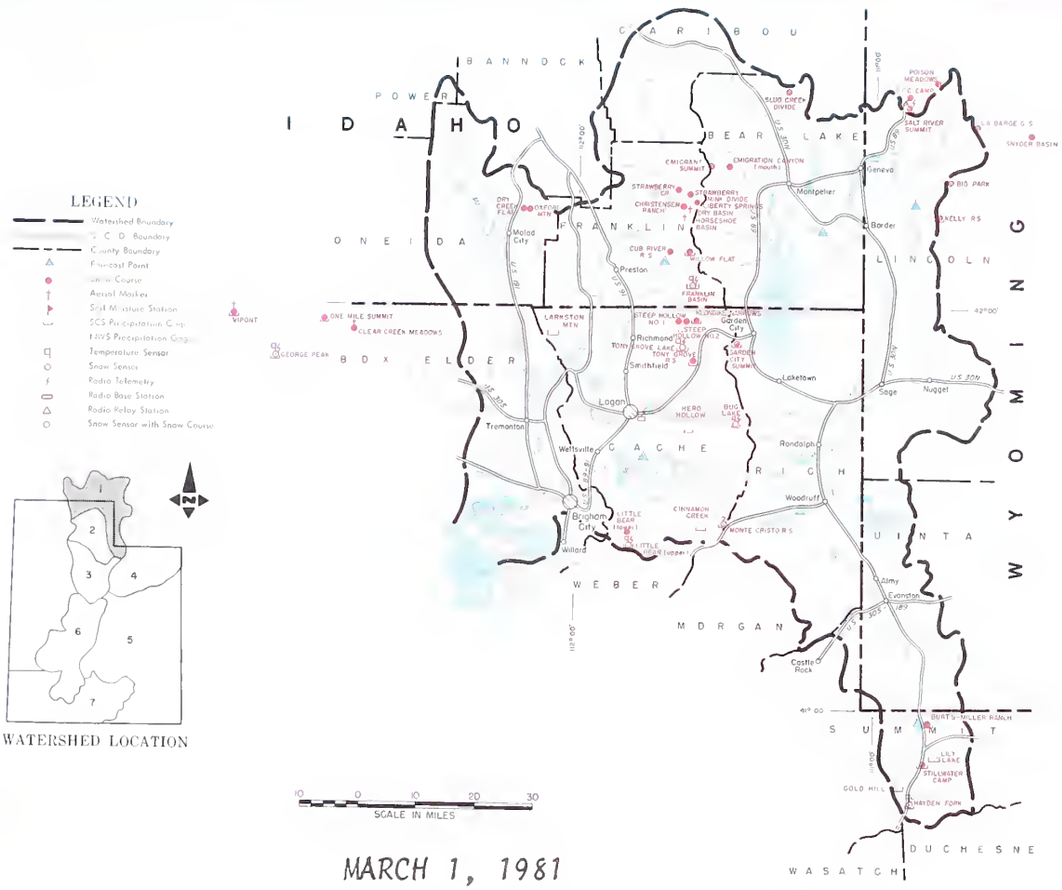
USDA-SCS-PORTLAND, OREG. 1969

UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses



WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH



MARCH 1, 1981

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER improved a little this month and now ranges from 43% of average on Logan River to 64% on Raft River Mountains above Park Valley. The Upper Bear is 48% of average and Lower Bear 45%. Snow cover on the Bear River Basin is roughly 1 1/2 times March 1, 1977.

PRECIPITATION at mountain stations ranges from 42% of the October-February period at Klondike Narrows to 53% at Salt River Summit. February storms produced nearer average precipitation but still only 59% at Klondike and 103% at Salt River Summit.

SOIL MOISTURE under the snow pack is much drier than normal and will soak up snow melt water.

RESERVOIR STORAGE is near average in all reservoirs. Bear Lake is 102% (1,052,900 A.F.), and Woodruff Narrows is 98% (20,200 A.F.) of the old capacity. It now has about 31,000 A.F. more capacity to fill this season. Hyrum is now 96% (10,500 A.F.) and Porcupine is 106% (3,800 A.F.).

STREAMFLOW FORECASTS range from 16% (800 A.F.) on Big Creek to 74% (84,000 A.F.) for the Bear near Utah-Wyo. state line. The Bear River is forecast 41% (61,000 A.F.) at Woodruff, 24% (29,000 A.F.) at Randolph, and 44% (147,000 A.F.) at

USDA-SCS-PORTLAND, OR. 1980 M7-OL-22027-1

Harer, Idaho. Woodruff Creek is forecast 14% (2,600 A.F.), Thomas Fork 55% (19,000 A.F.), Smith's Fork 58% (69,000 A.F.), Logan River 51% (60,000 A.F.), Blacksmith Fork 31% (17,000 A.F.), Little Bear 24% (9,000 A.F.), and Cub River 46% (23,000 A.F.).

Water users in this area not on reservoir storage are expected to have water shortages by mid summer.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 841138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL · STATE · PRIVATE
COOPERATIVE SNOW SURVEYS
Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry
WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

U.S. MAIL

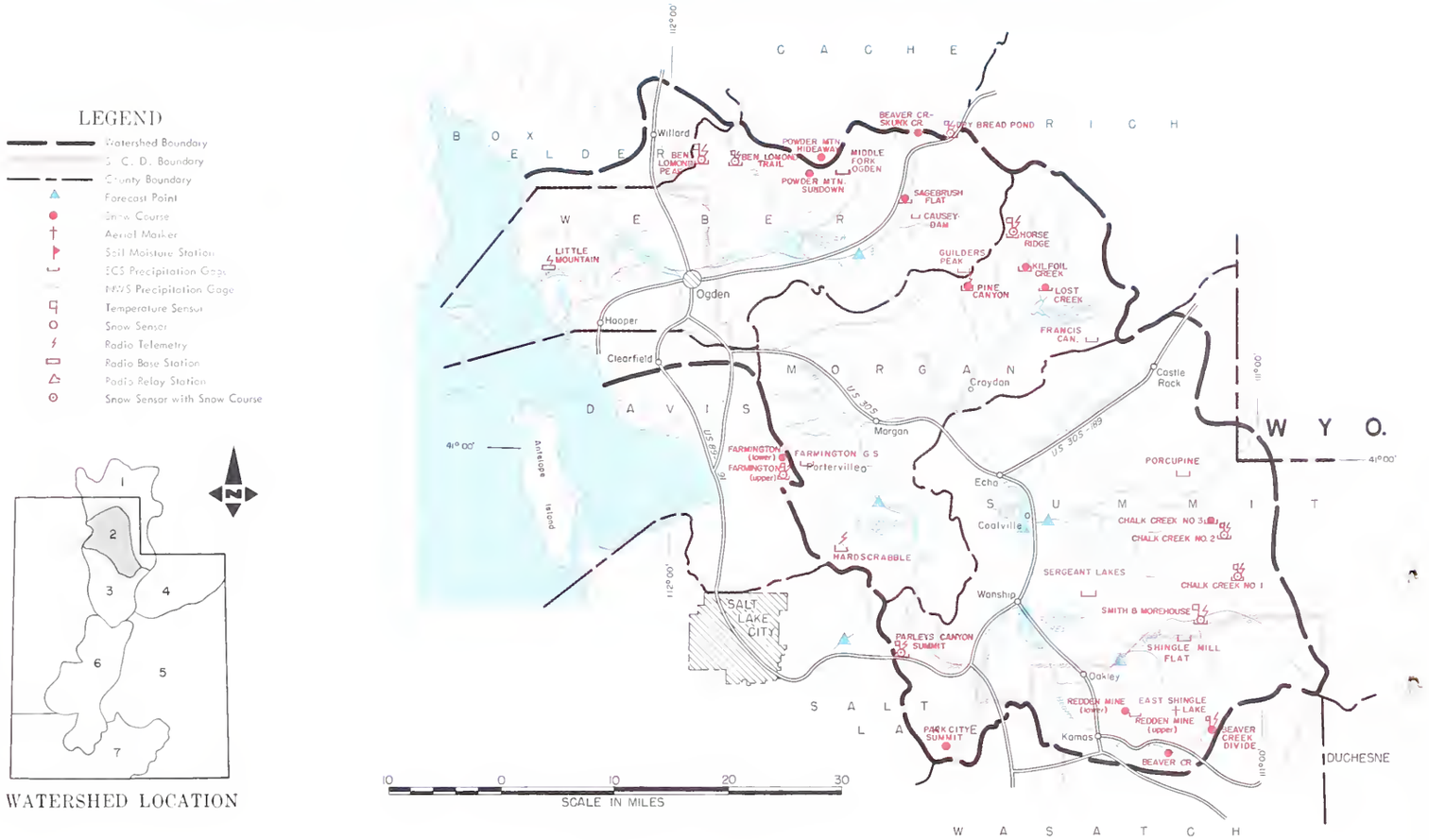
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1981

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO POOR

SNOW COVER is now 40% of the March 1 average on the Ogden Basin and 50% on the Weber Basin. Ogden River snow cover is about 10% higher (45%) on the North Fork than on the South Fork (32%). Weber River snow courses ranged from 37% on Lost Creek to 68% on Chalk Creek #1. Snow cover is still 1 1/2 to 2 times March 1, 1977 snow water contents.

PRECIPITATION at mountain stations ranged from 40% of the October-February average at Ben Lomond Trail to 75% for Smith & Morehouse. February precipitation ranged from 54% at Causey Dam to 134% at Farmington Lower.

SOIL MOISTURE under the snow pack is well below average and is expected to soak up snow melt water.

RESERVOIR STORAGE is above average and most reservoirs are expected to fill. Pineview and East Canyon are not expected to fill and Lost Creek will be close depending on spring weather.

STREAMFLOW FORECASTS dropped again this month and now range from 23% (26,000 A.F.) for the Inflow to Pineview and 23% (6,000 A.F.) for East Canyon to 61% (63,000 A.F.) for the Weber near Oakley.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-2

The South Fork Ogden is forecast 26% (15,000 A.F.) for the April-June period and Lost Creek 25% (4,400 A.F.). The Weber River is forecast 53% (59,000 A.F.) for Rockport Inflow, 41% (51,000 A.F.) at Coalville, Chalk Creek 26% (10,200 A.F.), Echo Reservoir Inflow 42% (67,000 A.F.) and Weber at Gateway 28% (85,000 A.F.). Hardscrabble Creek is forecast 30% (4,900 A.F.) for the April-June period.

Water users in these drainages without adequate reservoir water rights can expect short water supplies by early summer unless spring and summer precipitation is considerably above average.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL · STATE · PRIVATE
COOPERATIVE SNOW SURVEYS
Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry
WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

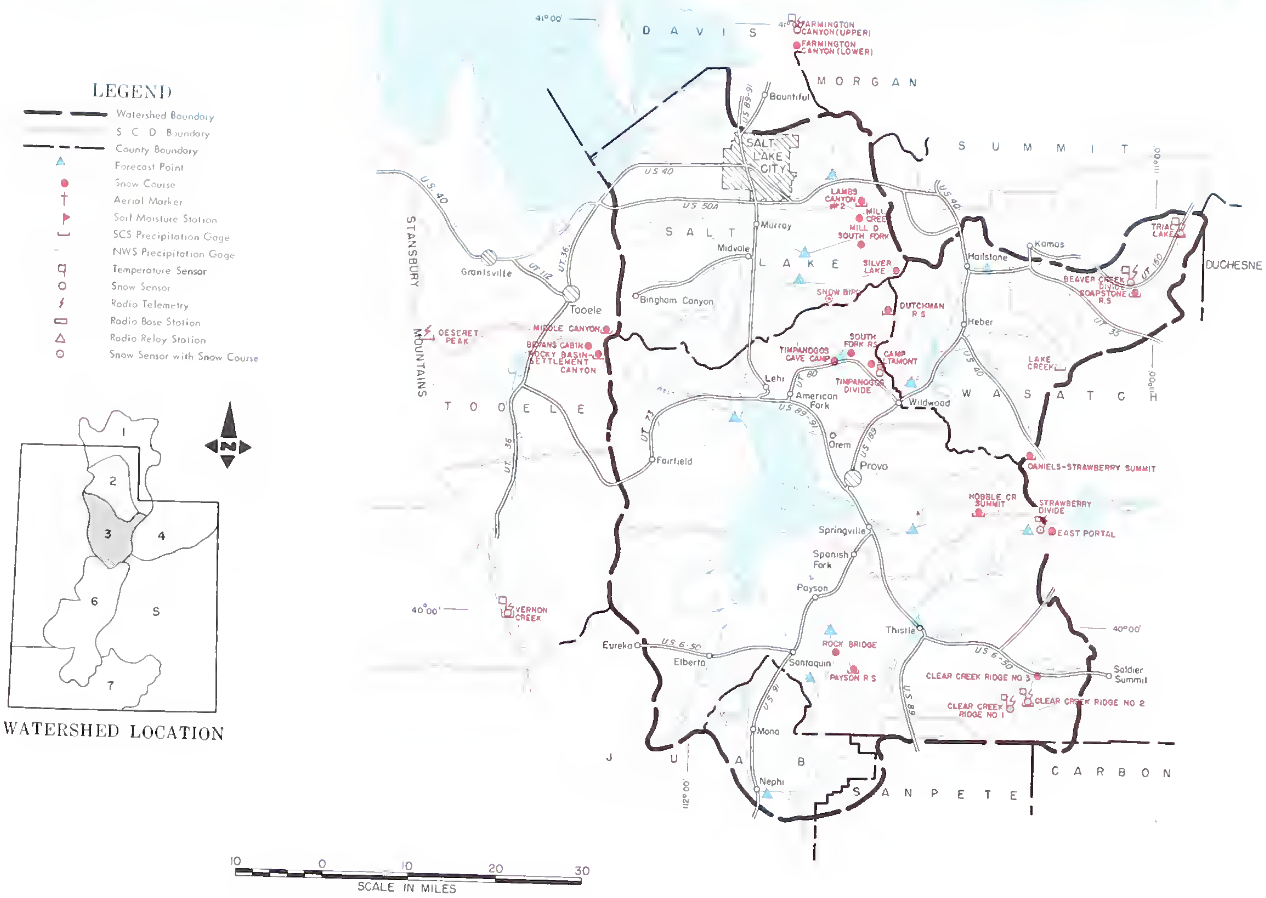
U.S. MAIL

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1981

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 54% of the March 1 average on Provo River - Utah Lake drainages to 64% in Tooele Valley. The Wasatch Front near Salt Lake City is 58% of average.

PRECIPITATION at mountain stations for the October-February period ranged from 59% at Clear Creek to 75% at Smith & Morehouse. The month of February ranged from 37% of average at Timpanogos Divide to 106% at Daniels Summit.

SOIL MOISTURE under the snow pack is drier than average and will soak up snow-melt water as runoff begins.

RESERVOIR STORAGE is above average. Deer Creek now has 115,200 A.F. (108%), Utah Lake 873,300 A.F. (121%), and Strawberry 216,300 A.F. (141%). Settlement Creek is about half full and Vernon Creek is full.

STREAMFLOW FORECASTS range from 30% (15,400 A.F.) for Strawberry Reservoir Inflow to 72% (27,000 A.F.) for Little Cottonwood Creek. The Provo River is forecast 59% (60,000 A.F.) at Hailstone, 45%, (54,000 A.F.) at Deer Creek Dam and 57% (140,000 A.F.) for Utah Lake Inflow. Payson Creek is 35% (2,200 A.F.). Spanish Fork is 38% (15,000 A.F.), Hobble Creek 34% (6,000 A.F.) and American

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-3

Fork 62% (19,000 A.F.) for the April-July period.

Streams along the Salt Lake Front are forecast from 38% (1,500 A.F.) for Emigration Creek to 72% (27,000 A.F.) for Little Cottonwood, Big Cottonwood 71% (27,000 A.F.), Mill Creek 46% (4,000 A.F.), Parleys Creek 45% (6,000 A.F.), and City Creek 45% (3,600 A.F.) Vernon Creek is forecast 50% (500 A.F.) for the March-July period and Settlement Creek 32% (700 A.F.).

Some water shortages can be expected by mid summer for those water users without adequate reservoir storage or first water rights to direct streamflow.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL · STATE · PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

U.S. MAIL

FIRST CLASS MAIL

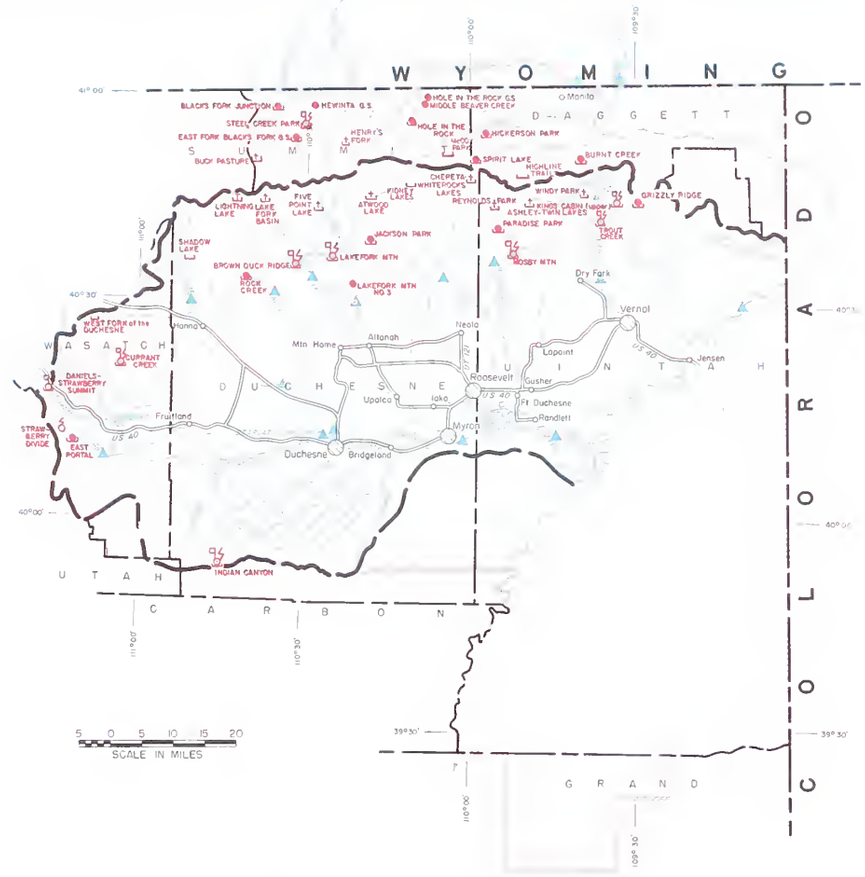
"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

WATERSHED LOCATION



THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 46% of the March 1 average on Strawberry River to 88% on Sheep Creek. Ashley Creek-Brush Creeks are 67%, Uintah-Whiterocks 63%, Lakefork-Yellowstone 56% and Blacks Fork 58% of the March 1 average for the 1963-77 15 year period. Although Uintah Basin snow cover is well below average, it is still much better than March 1, 1977 except at Currant Creek where snow water content is just a little less than 1977.

PRECIPITATION at mountain stations ranges from 61% at Indian Canyon for the October-February period to 92% at Spirit Lake. February precipitation ranged from 108% of average at Indian Canyon to 14% at Paradise Park.

SOIL MOISTURE under the snow pack is below average.

RESERVOIR STORAGE is above average in all reservoirs except Moon Lake and it is near average.

STREAMFLOW FORECASTS range from 26% (15,000 A.F.) for the Strawberry River at Duchesne to 87% (47,000 A.F.) for Henry's Fork. The Duchesne River is forecast 48% (51,000 A.F.) at Tabiona, 46% (12,000 A.F.) for West Fork, 47% (90,000 A.F.) at Duchesne, 37% (77,000 A.F.) at Myton, and 35% (93,000 A.F.) at Randlett.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-4

Currant Creek is forecast 32% (6,300 A.F.), Rock Creek 59% (56,000 A.F.), Lakefork 81% (58,000 A.F.), Yellowstone 75% (50,000 A.F.), Uintah 76% (68,000 A.F.), Whiterocks 83% (50,000 A.F.) and Ashley Creek 82% (42,000 A.F.).

Some water shortage is expected by about mid-summer for water users without adequate storage unless remaining spring storms are exceptionally heavy.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

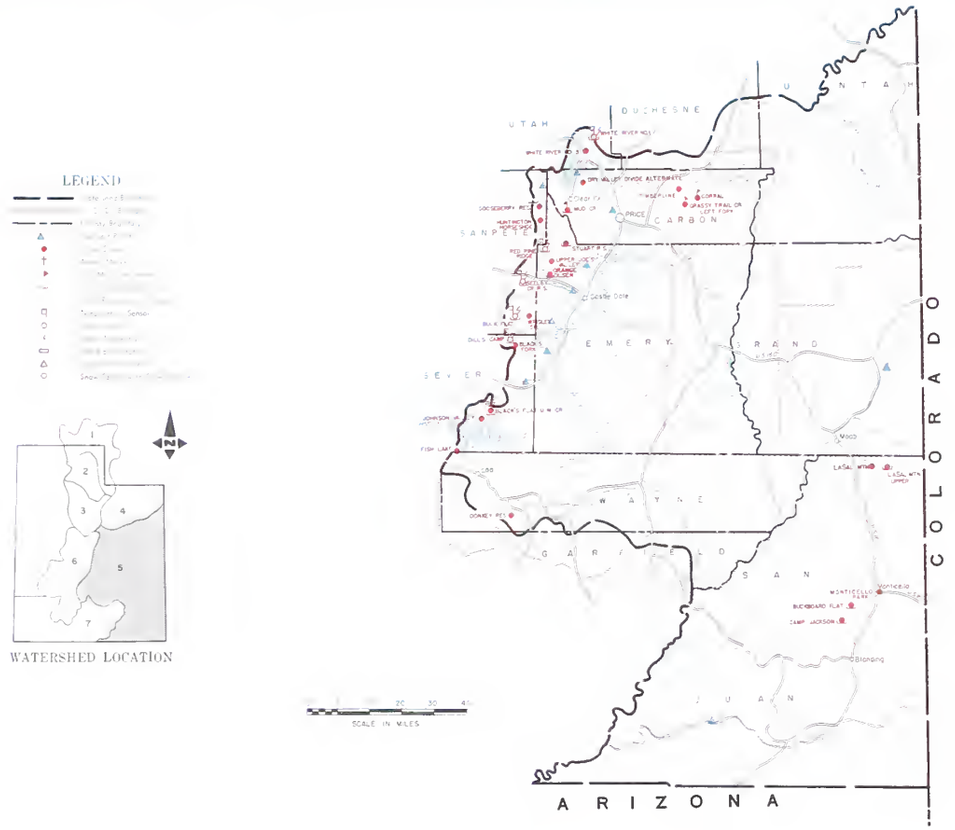
U.S. MAIL

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1981

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 23% of the March 1 average on Blue Mountains near Blanding to 81% on the LaSal Mountains above Moab. The Price River is 25%, San Rafael 31%, Muddy River 29%. Snow water content on the San Rafael-Muddy drainages is generally less than March 1, 1977.

PRECIPITATION at mountain stations has been about half average for the October-February period except on the LaSal Mountains where it was 81% of average.

SOIL MOISTURE under the snow pack is much drier than average and will soak up snow melt.

RESERVOIR STORAGE is generally near to above average with Scofield 141% (50,400 A.F.), Joes Valley 100% (37,000 A.F.), Huntington North 93% (2,800 A.F.), and Mill Site estimated at 10,000 A.F.

STREAMFLOW FORECASTS range from 20% (3,400 A.F.) on the Muddy to 76% (3,900 A.F.) for Mill Creek above Moab. Price River is forecast 40% (4,000 A.F.) at Goose-berry Creek, 42% (45,000 A.F.) for Scofield Inflow, 24% (15,000 A.F.) at Heiner. San Rafael tributaries are forecast 48% (21,000 A.F.) for Huntington Creek, 28% (12,400 A.F.) for Cottonwood Creek, and 39% (13,300 A.F.) for Ferron Creek.

USDA-SCS-SPRINT-AND-OR-1980 M17-OL-22027-5

Muddy Creek forecast is 20% (3,400 A.F.) and Seven Mile Creek 50% (3,200 A.F.).

The Colorado at Cisco is forecast 46% of average, the Green at Green River 46% and the San Juan near Bluff 35% for the April-July period.

Water users in this area can expect water shortages by mid summer unless they have good reservoir storage.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL · STATE · PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry.

WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

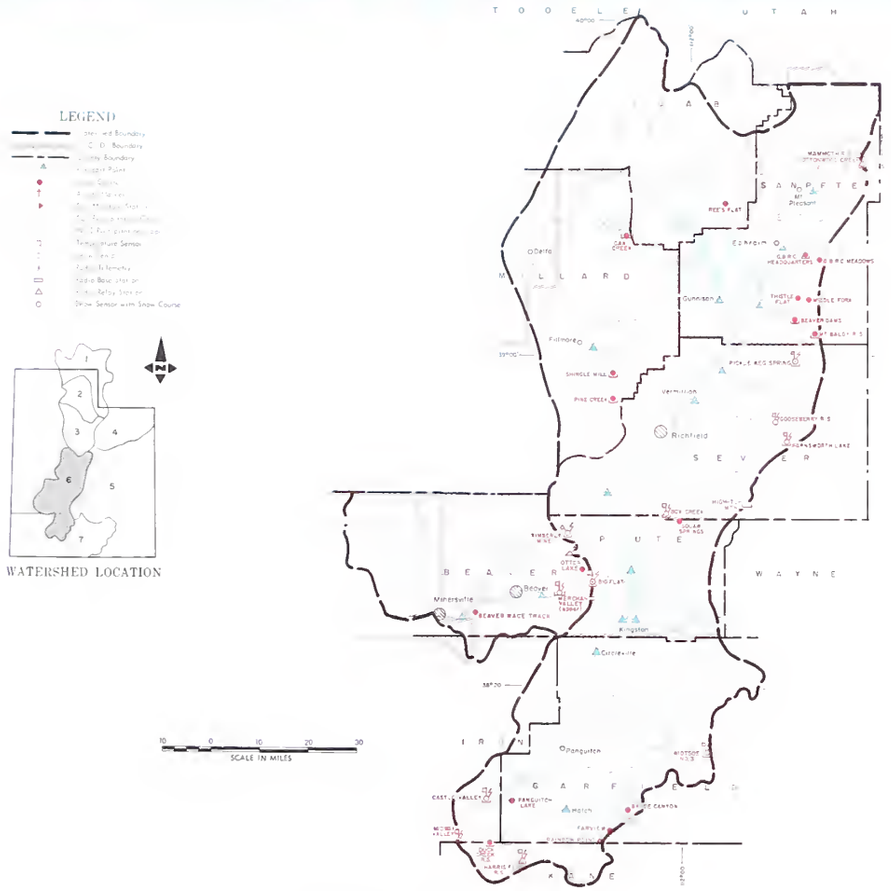
U.S. MAIL

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH



MARCH 1, 1981

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO POOR

SNOW COVER improved during February and now ranges from 31% of the March 1 average on the East Fork Sevier to 52% on the Beaver. The South Fork Sevier is 32% of average and the Lower Sevier is 49% of the March 1 average. Most snow courses on the Upper Sevier and Beaver have a little more water content this year than March 1, 1977. On the Lower Sevier only the high elevation courses are better than March 1, 1977.

PRECIPITATION at mountain stations ranges from 27% of the October-February average at Pine Creek above Fillmore to 71% of average at Beaver Dams above Mayfield. Most areas are about 50% of average. February precipitation ranged from 47% of average at Pine Creek to 108% at Merchant Valley above Beaver.

SOIL MOISTURE under the snow pack is well below average and will soak up snow melt.

RESERVOIR STORAGE is very good with Gunnison, Otter Creek and Minersville full and Piute and Sevier Bridge expected to fill very soon.

STREAMFLOW FORECASTS dropped 2 to 40% as a reflection of the low snow pack and now ranges from 26% (3,000 A.F.) on Salina Creek to 110% (29,000 A.F.) for the Inflow Sigurd to Gunnison. Sevier River is forecast 54% (22,000 A.F.) at Hatch,

USDA-SCS-PORTLAND OR 1977 M7-OL-22027-6

63% (19,000 A.F.) at Circleville, 66% (15,000 A.F.) at Kingston, 69% (10,500 A.F.) for the East Fork, 83% (30,000 A.F.) below Piute Dam, 110% (29,000 A.F.) for the Inflow Sigurd to Gunnison, and 92% (46,000 A.F.) at Gunnison. Clear Creek is forecast 50% (9,500 A.F.), Salina Creek 26% (3,000 A.F.), Ephraim Creek 46% (6,600 A.F.), Pleasant Creek 60% (5,000 A.F.), and Chicken Creek 45% (1,400 A.F.) for the April-July period.

Beaver River is forecast 80% (16,000 A.F.) near Beaver, North Creeks 79% (9,600 A.F.) and Minersville Inflow 56% (3,700 A.F.). Chalk Creek near Fillmore is forecast 48% (7,400 A.F.) and Oak Creek 36% (500 A.F.) for the April-July period.

Water users in the area without reservoir storage can expect water shortages by mid-season.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FEDERAL STATE PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

WATER IS THE WEST'S GREATEST RESOURCE

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

U.S. MAIL

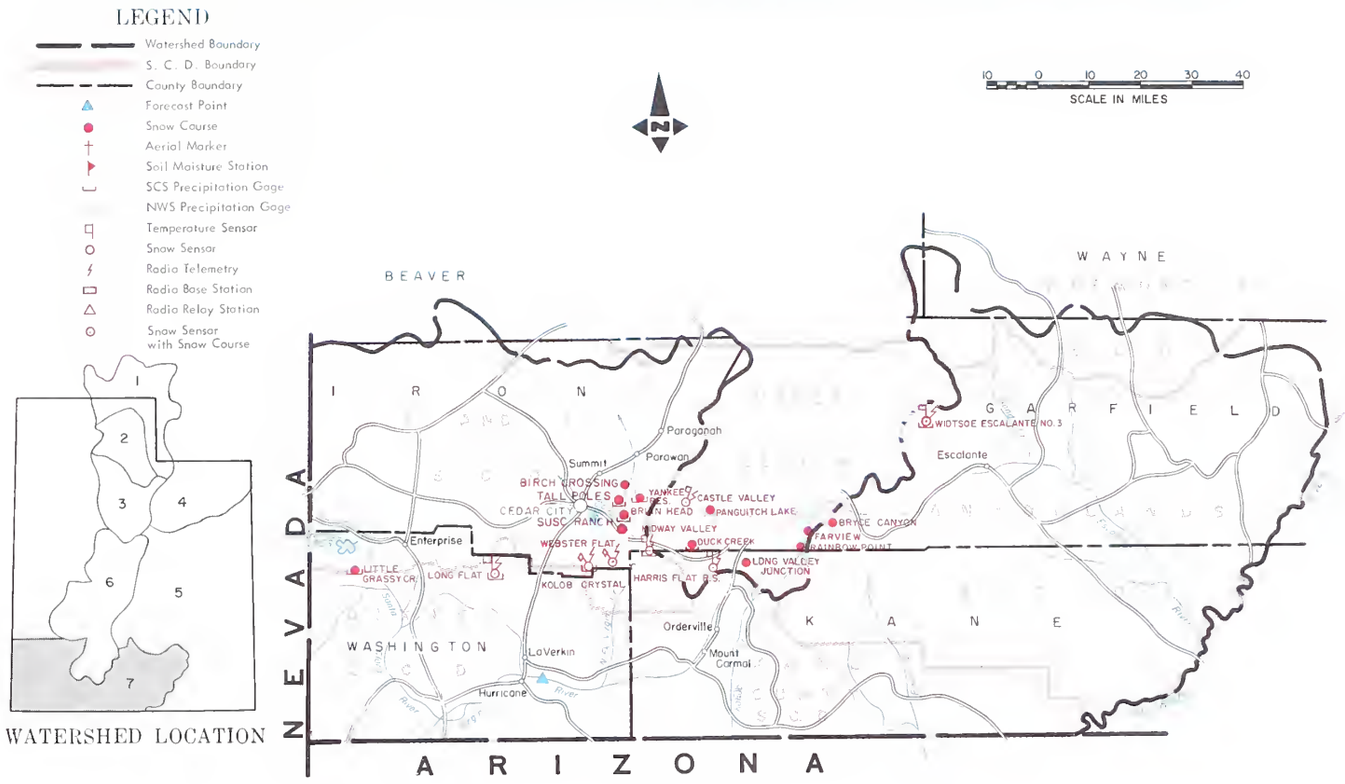
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



EAST GARFIELD

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER ranges from zero in the Enterprise-New Harmony area to 32% of average on Parowan Creek. The Virgin River is 24% and Coal Creek is 27% of the March 1 average. Many snow water content figures were approaching the previous record minimum and a few were less than in 1977.

PRECIPITATION at mountain stations has been about half average for the October-February period and February precipitation ranged from 61 to 87% of average.

SOIL MOISTURE under the snow pack is very dry and will soak up snow melt water.

RESERVOIR STORAGE is good with Gunlock and Baker reported full and Enterprise Reservoirs repaired and starting to fill.

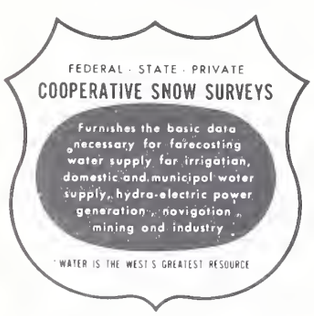
STREAMFLOW FORECASTS range from 31% (2,500 A.F.) of average on the Santa Clara to 54% (26,000 A.F.) on the Virgin River at Hurricane. Coal Creek is forecast 53% (8,900 A.F.) and Lake Powell Inflow 43% (3,000,000 A.F.).

Water users in this area without good reservoir storage rights can expect water shortages by early summer unless we have a wetter than average spring.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-7

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average +	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	2/24	10	3.1	8.6	---	2/24	1.48	0.93b	7.21	7.25b	99
CCC Camp	2/26	30	6.2	11.0	11.1						
Hayden Fork	2/24	26	6.8	18.0	12.7a	2/24	1.01	2.87a	10.38	12.86a	81
Monte Cristo R.S.	2/22	31	7.9	24.9	22.0	2/22	3.03	4.15	10.13	21.27	48
Salt River Summit	2/26	36	8.2	13.8	14.4	2/26	3.00a	2.91	7.56a	14.26	53
Stillwater Camp	2/24	19	3.7	13.7	---	2/24	0.40a	1.64b	3.55	10.09b	35
Lily Lake	2/24	34	8.0	16.2	---	2/24	1.10a	2.23b	7.60a	12.11b	63
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	2/22	29	7.1	19.0	15.6a	2/22	2.00a	5.28b	9.14a	18.12b	50
Christensen Ranch	2/23	16	5.0		7.9						
Cliff Canyon	2/23	9	3.0		---						
Cub River R.S.	2/23	17	4.9	8.7	8.4						
Daniels Creek	2/23	12	3.7		---						
Dry Basin	2/23	40	11.6		24.2b						
Dry Creek Flat	2/23	3	0.8		7.4						
Emigrant Summit	2/24	33	8.5	22.8	21.7						
Emigration Canyon	2/24	17	5.0		9.7						
Franklin Basin	2/23	36	10.2	23.3	22.7	2/23	5.00a	5.78a	12.72a	21.23a	60
Garden City Summit	2/22	23	5.9	17.0	15.3	---	---	3.47	---	15.80	--
Horseshoe Basin	2/23	30	10.9		22.0b						
Klondike Narrows	2/22	27	7.5	19.6	17.3	2/22	2.94	4.99b	8.44	19.93b	42
Liberty Spring	2/23	47	13.7		32.7						
Little Bear (lower)	2/22	16	4.6	8.5	9.2						
Little Bear (upper)	2/22	19	5.1	10.6	10.9	2/22	2.56a	3.19a	9.96a	17.14b	58
Lower Elkhorn	2/23	16	5.5		12.7b						
Oxford Mountain	2/23	15	4.3		9.4b						
Slug Creek Divide	2/25	25	8.0	16.7	14.8						
Steep Hollow #1	2/22	55	14.6	31.7	30.8						
Steep Hollow #2	2/22	39	10.0	24.4	22.4						
Strawberry Creek	2/24	14	4.2		9.6						
Strawberry Mink Divide	2/23	28	7.5		18.7						
Tony Grove Lake	2/22	45	11.6	32.9	28.4a	2/22	4.75a	5.76a	11.98a	31.69a	38
Tony Grove R.S.	2/22	15	4.1	10.9	10.9	2/22	2.13	3.10b	6.88	14.93b	46
Upper Elkhorn	2/23	27	6.9		16.4b						
Willow Flat	2/23	21	6.2	15.6	13.9	2/23	3.13	3.71	9.71	18.85	52
Worm Creek	2/23	27	8.0		---						
RAFT RIVER											
Clear Creek (meadows A)	2/26	38	13.6	16.8	19.1						
One Mile Summit	2/26	8	2.5	5.2	6.1						
George Creek	2/26	30	8.7	---	---						
George Peak	not measured										
OGDEN RIVER											
Beaver Creek-Skunk Creek	2/22	12	3.8	14.5	10.8						
Ben Lomond Peak	2/22	46	13.3	44.4	29.1	2/22	6.20a	7.67b	13.80a	34.23b	40
Ben Lomond Trail	2/22	25	6.9	20.0	15.7b	2/22	3.23	4.47b	9.97	24.98b	40
Causey Dam	2/22	0	0.0			2/22	1.32	2.42b	5.05	11.91	42
Dry Bread Pond	2/22	19	6.3	21.6	16.0	2/22	2.44a	3.47b	7.90a	16.96b	47
Sagebrush Flat	2/22	1	0.1	6.7	5.0	2/22	1.42	2.58	4.88	12.07	40
WEBER RIVER											
Beaver Creek R.S.	2/24	13	3.8	12.2	7.5						
Chalk Creek #1	2/24	41	11.4	24.6	18.0	2/24	2.75a	1.97a	12.68a	18.38a	69
Chalk Creek #2	2/24	32	8.3	16.1	12.2	2/24	2.00a	2.24b	9.00a	13.17b	68
Chalk Creek #3	2/24	14	4.4	10.9	6.7	2/24	1.78	1.82b	8.23	11.26b	73
Farmington Canyon (lower)	2/22	38	10.6	24.8	18.4b	2/22	5.40	4.04b	11.81	22.40	53
Farmington Canyon (upper)	2/22	43	11.8	31.1	25.3b	2/22	5.90a	6.17a	14.70a	22.44a	66
Farmington G.S.	2/22	30	8.0			2/22	5.04	4.21b	12.96	19.40b	67
Hardscrabble Creek	3/4	27	7.6								
Horse Ridge	2/22	28	7.0	21.8	18.2b	2/22	3.40	3.79b	8.13	19.40b	42
Kilfoil Creek	2/22	24	4.3	17.0	11.6b						
Lost Creek Reservoir	2/23	0	0.0	---	4.9b	2/22	1.16	1.72b	9.06	9.16b	99
Park City Summit	2/22	47	17.0	---	---						
Parley's Canyon Summit	2/26	36	7.5	17.1	16.1	2/26	3.49	3.68	11.09	18.48	60
Redden Mine (lower)	2/24	28	7.9	20.9	15.0	2/24	1.74	---	9.27	---	--
Sargeant Lakes	3/5	36	10.1								
Smith & Morehouse	2/24	22	6.3	15.5	11.4	2/24	2.41	2.81	11.01	14.71	75

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 0

+ 1958-1972 period.

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average †	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average †	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average †	FROM APPROX. OCT 1 TO DATE: Percent of Average
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	2/24	21	5.3	16.6	10.9a	2/24	0.87a				
Camp Altamont	2/25	28	9.8	23.4	13.4						
Clear Creek Ridge #1	2/25	25	7.0	21.8	15.6	2/25	4.12a		10.12a		
Clear Creek Ridge #2	2/25	25	6.5	14.0	11.8	2/25	1.89	2.48b	7.80	13.35b	58
Clear Creek Ridge #3	2/25	9	2.8	8.9	6.9						
Dutchman R.S.	2/25	30	10.6	28.2	14.4	2/25	2.80	4.39b	---	17.75b	
Hobble Creek Summit	2/25	26	5.2	17.0	12.3	2/27	2.73	---	9.31	14.49	64
Payson R.S.	2/23	27	6.6	18.4	16.5b	2/23	2.79	3.01	9.64	15.05	64
Soapstone R.S.	2/24	20	6.0	16.0	11.1	2/24	1.20	2.66	8.76	13.82	63
South Fork R.S.	2/25	9	3.6	7.2	6.1						
Timpanogos Cave Camp	2/25	1	0.1	1.2	2.4						
Timpanogos Divide	2/25	37	12.8	35.2	21.5	2/25	1.60	4.30	13.22	21.73	61
Trial Lake	2/24	44	12.1	30.4	20.0	2/24	1.56	3.87	12.79	20.07	64
JORDAN RIVER & GREAT SALT LAKE											
Deseret Peak	3/4	57	15.1								
Lamb's Canyon #2	2/26	31	8.1	16.1	---	2/26	2.46	---	8.25	---	
Middle Canyon	2/27	29	7.5	10.4	12.1	2/27	4.10	2.79	11.50	12.53	92
Mill Creek	2/24	30	8.4	16.8	---						
Mill D South Fork	2/27	35	8.8	17.5	17.1						
Mt. Dell Dam								1.77		11.14	
Rock Basin-Settlement Canyon	3/4	53	12.9								
Silver Lake (Brighton)	2/27	46	11.1	31.1	19.6			4.31		22.38	
Snowbird (Gad Valley)	2/25	41	11.2	---	---						
Vernon Creek	2/27	24	6.1	11.0	9.3a	2/27	3.70	---	7.10	12.76b	56
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	2/24	20	4.1	15.0	10.7	2/24	2.06		7.00	11.10	63
Bryce Canyon	2/28	0	0.0	10.1	3.9						
Castle Valley	2/23	16	4.6	17.0	10.6	2/23	1.64	---	6.63	11.12	60
Duck Creek R.S.	2/23	7	1.6	20.2	10.7	2/23	2.04	2.35b	6.79	13.25	51
Farview	2/28	5	1.3	15.1	---						
Harris Flat	2/23	0	0.0	15.2	6.9						
Kimberly Mine	2/24	29	7.5	18.0	12.3	2/24	2.25	3.18b	9.30	14.38	65
Midway Valley	2/23	23	5.7	30.8	16.6						
Panguitch Lake	2/23	0	0.0	7.4	3.8	2/23	0.80	---	3.67	6.51b	56
Rainbow Point	2/28	5	1.6	19.9	---						
Squaw Springs	2/24	0	0.0	10.7	6.1						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	2/25	12	4.0	12.0	9.6b	2/25	1.75	---	7.60	10.66	71
Farnsworth Lake	2/24	34	8.6	18.6	15.1	2/24	2.74	3.59	10.21	15.23	67
G.B.R.C. Headquarters	2/25	25	6.6	17.6	13.0	2/25	1.96	2.69	9.57	14.21	67
G.B.R.C. Majors						2/24	0.70	1.30		6.95	
G.B.R.C. Meadows	2/25	30	9.4	25.2	18.6	2/25	2.85	3.59	11.55	17.57	66
G.B.R.C. Oaks								1.88		9.70	
Gooseberry R.S.	2/24	19	4.3	10.6	10.1	2/24	2.13	2.38b	8.31	9.87b	84
LOWER SEVIER RIVER (cont.) (Including San Pitch River)											
Mammoth-Cottonwood Creek	2/25	28	7.8	17.6	17.4	2/25	2.62a				
Mt. Baldy R.S.	2/25	31	8.7	26.0	18.6b	2/25	2.16	---	8.00	13.76	58
Oak Creek	2/26	23	4.7	15.0	10.0a	2/26	1.00	---	7.80	---	
Pickle Keg Springs	2/24	26	6.5	15.8	13.2a	2/24	3.56a		10.39a		
Pine Creek	2/22	19	5.7	16.8	13.1	2/22	2.25	---	5.00	18.53	27
Ree's Flat	2/22	26	6.5	14.6	10.3b	2/22	2.24	---	7.15	---	
Shingle Mill	2/26	17	3.9	9.0	7.6	2/26	1.10	2.33b	7.80	12.58	62
Gooseberry Reservoir						2/25	3.30	2.38b	9.70	9.87b	98
BEAVER RIVER											
Beaver Race Track	2/27	0	0.0	---	---						
Big Flat	2/24	31	7.3	23.2	12.8	2/24	2.34	2.60	8.28	12.53	66
Merchant's Valley (upper)	2/24	16	4.1	16.0	9.6b	2/24	2.29	2.11b	7.53	11.29	67
Otter Lake	2/24	21	4.7	20.0	9.9						
PAROWAN CREEK											
Birch Crossing	2/26	10	1.0	12.2	6.0b						
Brian Head	2/23	26	6.0	22.2	16.3b						
Tall Poles	2/26	27	4.0	18.3	11.5b	2/26	1.45	2.39b	7.70	11.87b	65
Yankee Reservoir	2/23	10	2.3	12.0	7.4	2/23	1.3a	---	4.09a	9.40b	44
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	2/23	0	0.0	8.6	3.6	2/23	2.56	---		12.33b	
Long Flat	2/23	0	0.0	11.7	5.6	2/23	1.30	---	3.90a	9.23	42
COAL CREEK											
Cedar City Golf Course	2/26	3	.5	---	---						
SUSC Ranch	2/26	14	1.0	16.3	7.5b						

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 D

* 1958-1972 period

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average †	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average †	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average †	FROM APPROX. OCT 1 TO DATE: Percent of Average
COLORADO RIVER DEAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	3/5	44	11.9	---	---						
Black's Fork G.S.-East Fork	2/24	16	3.9	11.1	7.4	2/24	1.28	---	7.28	9.51	77
Black's Fork Junction	2/24	16	3.6	13.1	7.4	2/24	1.37		7.16	9.37	76
Buck Pasture (A)	3/5	48	10.6	---	---						
Burnt Creek	3/3	11	3.3	7.0	4.2b	3/3	1.20	1.23b	5.80	7.32b	79
Grizzly Ridge	3/3	16	4.0	14.8	8.0b	3/3	2.35	1.80b	7.60	10.55	72
Hewinta G.S.	2/24	18	4.4	12.1	7.3	2/24	1.40	---	7.56	10.06	75
Hickerson Park	2/25	17	4.4	10.4	5.0b	2/25	0.75	---	5.97	7.65b	78
King's Cabin (upper)	2/25	22	5.4	14.4	8.1	2/25	0.38	---	6.50b	9.24	70
Reynolds Park (A)	3/5	50	13.5	---	---						
Spirit Lake	2/25	32	8.6	14.7	9.7	2/25	0.94	---	10.16	11.04	92
Steel Creek Park	2/24	38	8.5	17.3	12.8b	2/24	1.43a		7.80a		
Trout Creek	2/25	23	5.6	13.1	---	2/25	0.40	---	6.00a	---	
Henrys Fork (A)	3/5	37	8.9								
DUCHESNE RIVER											
Atwood Lake (A)	3/5	34	7.8	---	---						
Brown Duck Ridge	2/25	41	9.8	23.6	14.1a	2/25	0.70	---	8.84	---	---
Chepeta	2/25	34	8.1	---	---	2/25	0.31a				
Currant Creek	2/27	6	1.2	16.8	7.8a						
Daniels-Strawberry Summit	2/27	24	5.3	19.8	12.3	2/27	3.28a	3.10	9.05a	15.13	60
East Portal	2/27	23	6.0	13.2	9.6	2/27	2.67	3.08	8.72	14.22	61
Five Points Lake (A)	3/5	48	11.5	---	---						
Indian Canyon	2/26	24	4.9	16.1	10.1	2/26	2.36	2.18	6.62	10.87	61
Jackson Park	2/25	29	6.8	18.6	---	2/25	0.54	---	6.06	---	---
Lakefork Basin (A)	3/5	45	10.8	---	---						
Lakefork Mountain #1	2/25	22	5.4	15.5	9.0	2/25	0.37	1.86	7.70a	10.54	73
Lakefork Mountain #3	2/25	11	2.6	12.4	5.3						
Lightning Lake (A)	3/5	60	14.4	---	---						
Mosby Mountain	2/25	16	3.6	13.9	7.7	2/25	0.28a	1.66b	7.62a	10.53	72
Paradise Park	2/25	28	7.6	15.8	10.2	2/25	0.26	1.91b	8.86	11.27	79
Rock Creek Ranch	2/25	8	2.2	13.5	---	2/25	0.54	---	5.40a	---	
Strawberry Divide	2/27	34	8.8	21.6	16.5						
PRICE RIVER											
Dry Valley Divide Alternate	2/26	3	0.5	12.8	---						
Mud Creek	2/25	15	3.6	16.8	11.4	2/25	1.90	2.49	5.35	11.69	46
White River #1	2/26	24	4.0	15.4	11.3	2/26	1.74	---	6.49	11.08	59
White River #3	2/26	1	0.1	10.6	7.6						
SAN RAFAEL RIVER											
Buck Flat	2/25	19	5.1	19.2	13.3	2/25	2.37	3.21	7.07	14.50	47
Huntington-Horseshoe	2/25	26	8.8	24.2	19.5a						
Orange Olsen	2/25	0	0.0	8.8	---	2/25	0.75	1.17b	2.65	6.39	42
Red Pine Ridge	2/25	16	4.3	18.2	14.3	2/25	3.54	3.48	9.26	16.25	57
Seeley Creek R.S.	2/25	10	3.2	19.2	13.4	2/25	1.43a			5.28a	
Stuart R.S.	2/25	0	0.0	13.2	---	2/25	1.45	---	4.05	---	---
Upper Joe's Valley	2/25	8	1.8	13.8	8.8						
Wrigley Creek	2/25	12	4.0	15.2	8.9						
MUDDY RIVER											
Black's Fork	2/24	16	3.6	15.9	10.8a						
Dill's Camp	2/24	10	2.3	16.1	9.8a	2/24	1.94	---	6.22	---	---
FREMONT RIVER											
Black's Flat-U.M. Creek	2/24	13	2.5	12.4	8.9	2/24	1.56	---	4.89	9.64b	51
Fish Lake	2/24	7	1.6	7.8	6.6	2/24	1.23	1.15	3.82	7.50	51
Johnson Valley	2/24	3	0.9	10.0	5.6						

USDA-SCS-PORTLAND, OR 1977 M7-0-22027 D

† 1958-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (inches)	Water Content (inches) Last Year	Water Content (inches) Average †
SOUTHEASTERN UTAH DRAINAGES					
Buckboard Flat	2/24	8	2.3	19.7	8.8
Camp Jackson	2/24	8	2.3	22.8	10.3
LaSal Mountain (lower)	2/25	20	5.2	13.2	7.1
LaSal Mountain (upper)	2/25	36	10.0	18.2	11.6b
Monticello City Park	2/24	0	0.0	4.6	---
ESCALANTE RIVER					
Widtsoe-Escalante #3	2/23	20	4.8	13.9	8.3
VIRGIN RIVER					
Kolob-Crystal	2/23	19	4.3	28.5	17.3a
Long Valley Junction	2/23	0	0.0	12.4	4.0
Webster Flat	2/23	16	4.3	28.0	13.9

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

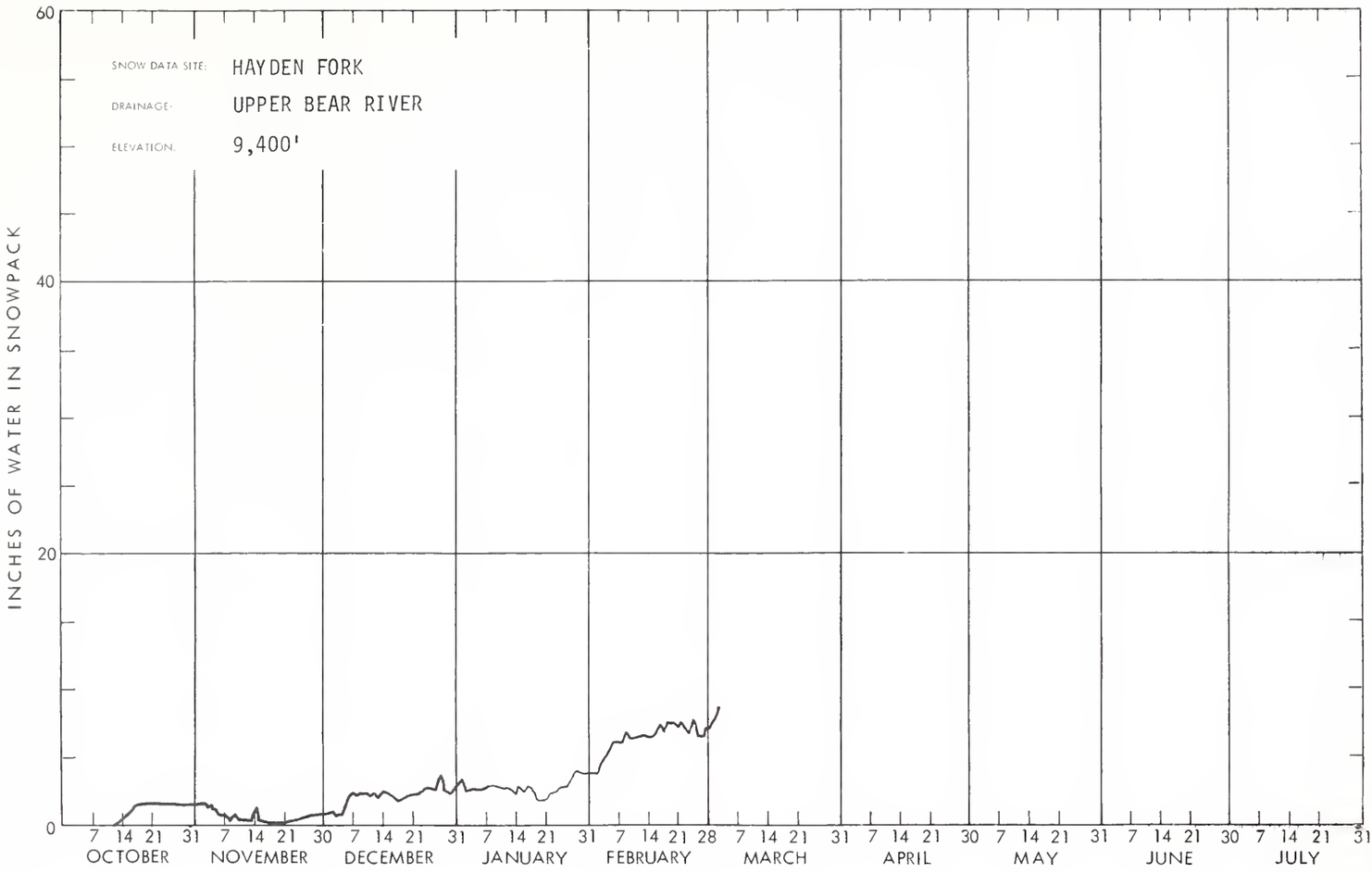
PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
SOUTHEASTERN UTAH DRAINAGES						
Buckboard Flat	2/24	0.56	---	7.09	15.18	47
Camp Jackson	2/24	0.52	---	3.42	14.27	
LaSal Mountain (lower)						
LaSal Mountain (upper)	2/25	2.22	---	8.93	11.04	81
Monticello City Park						
ESCALANTE RIVER						
Widtsoe-Escalante #3	2/23	1.65	2.08	6.32	9.67	65
VIRGIN RIVER						
Kolob-Crystal						
Long Valley Junction						
Webster Flat	2/25	2.57	3.53	8.18	15.15	54

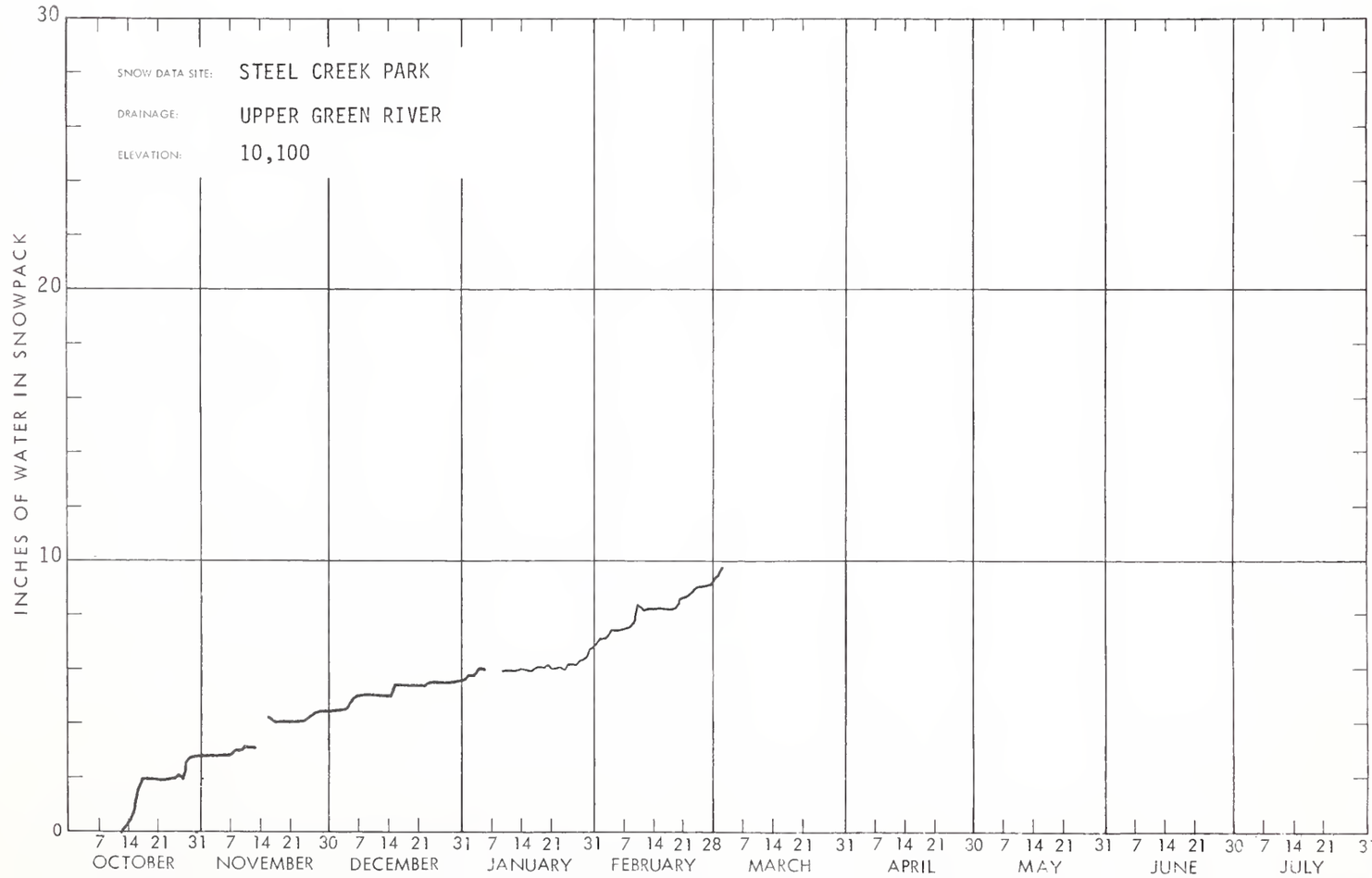
† 1958-1972 period

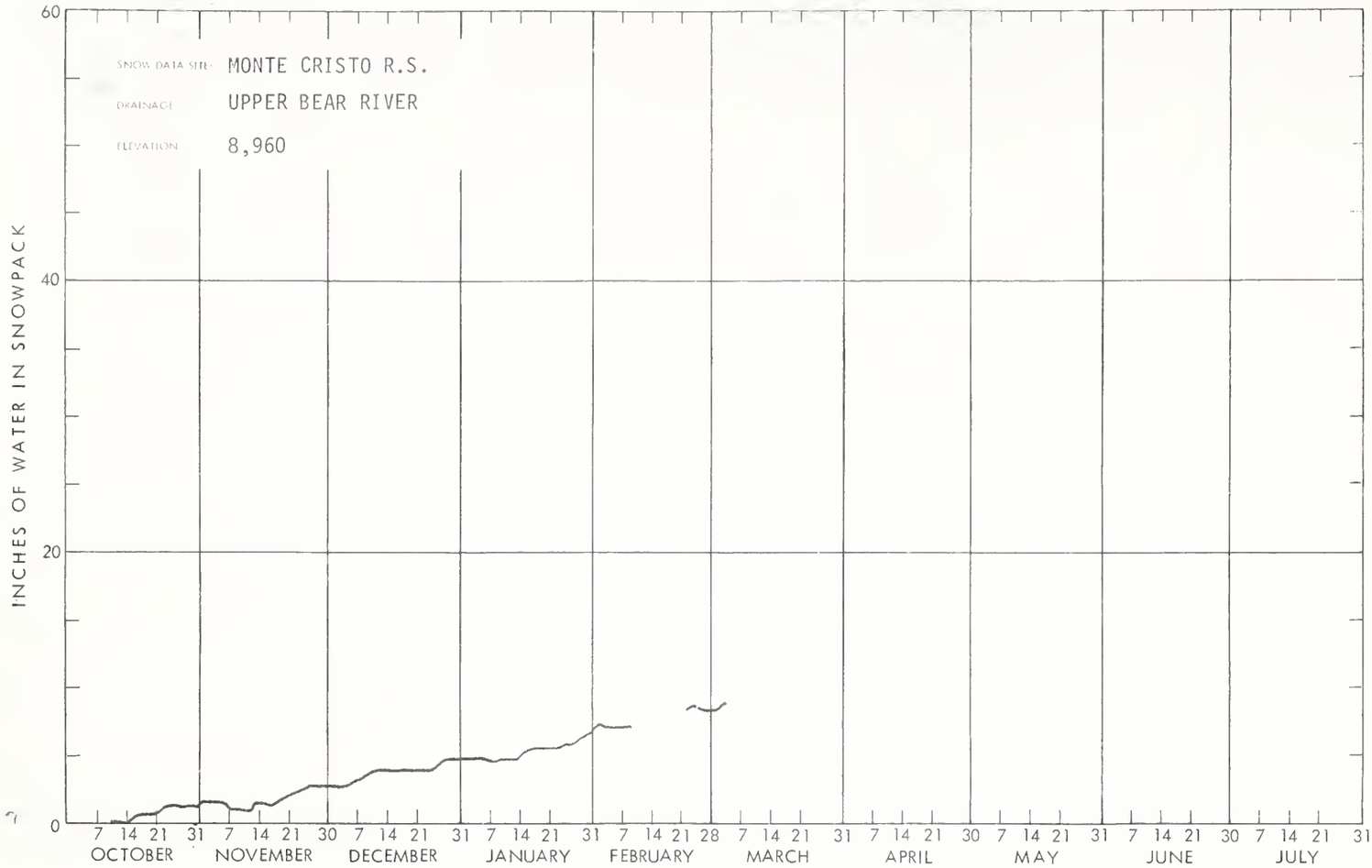
USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

WSFB-X13C

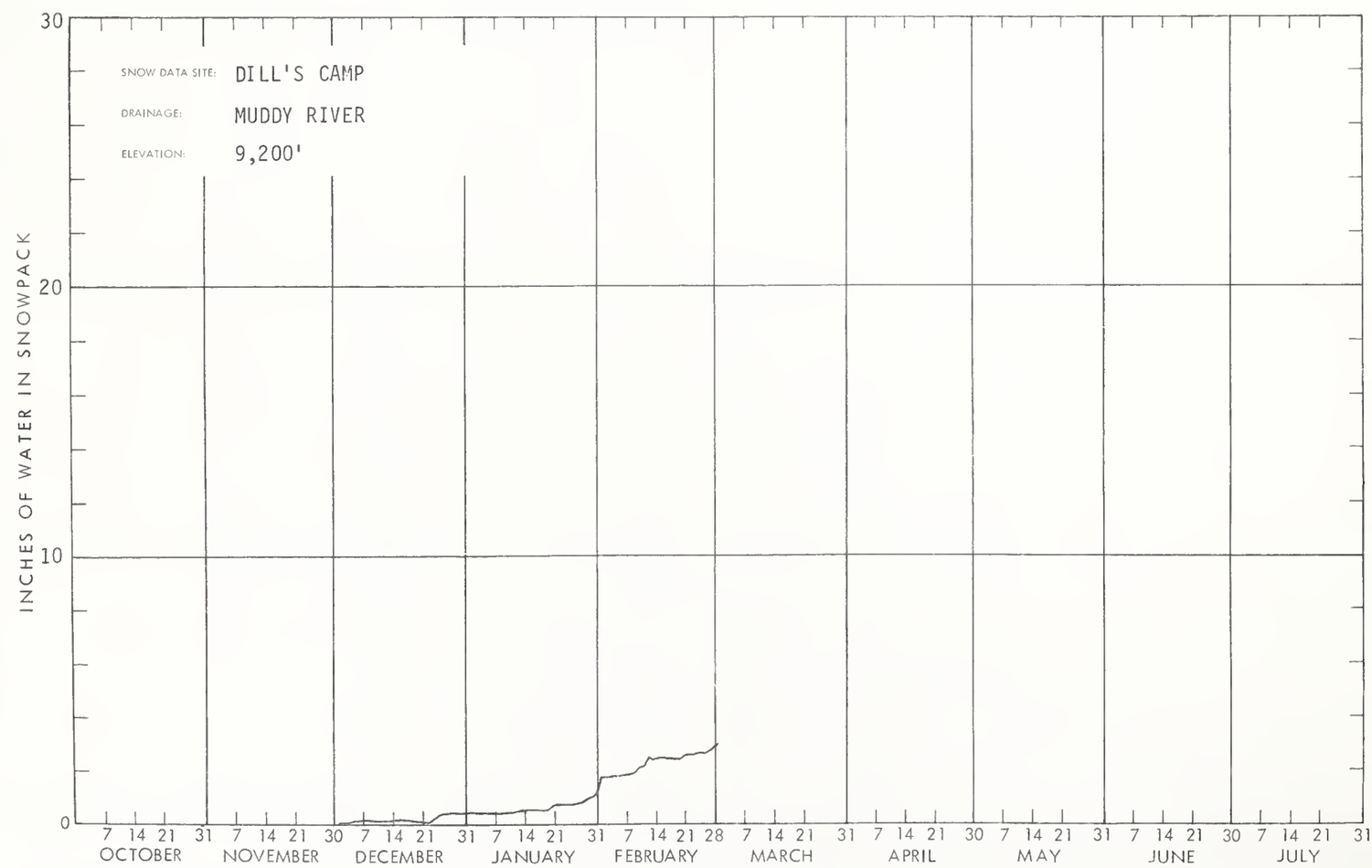


WSFB-X13A

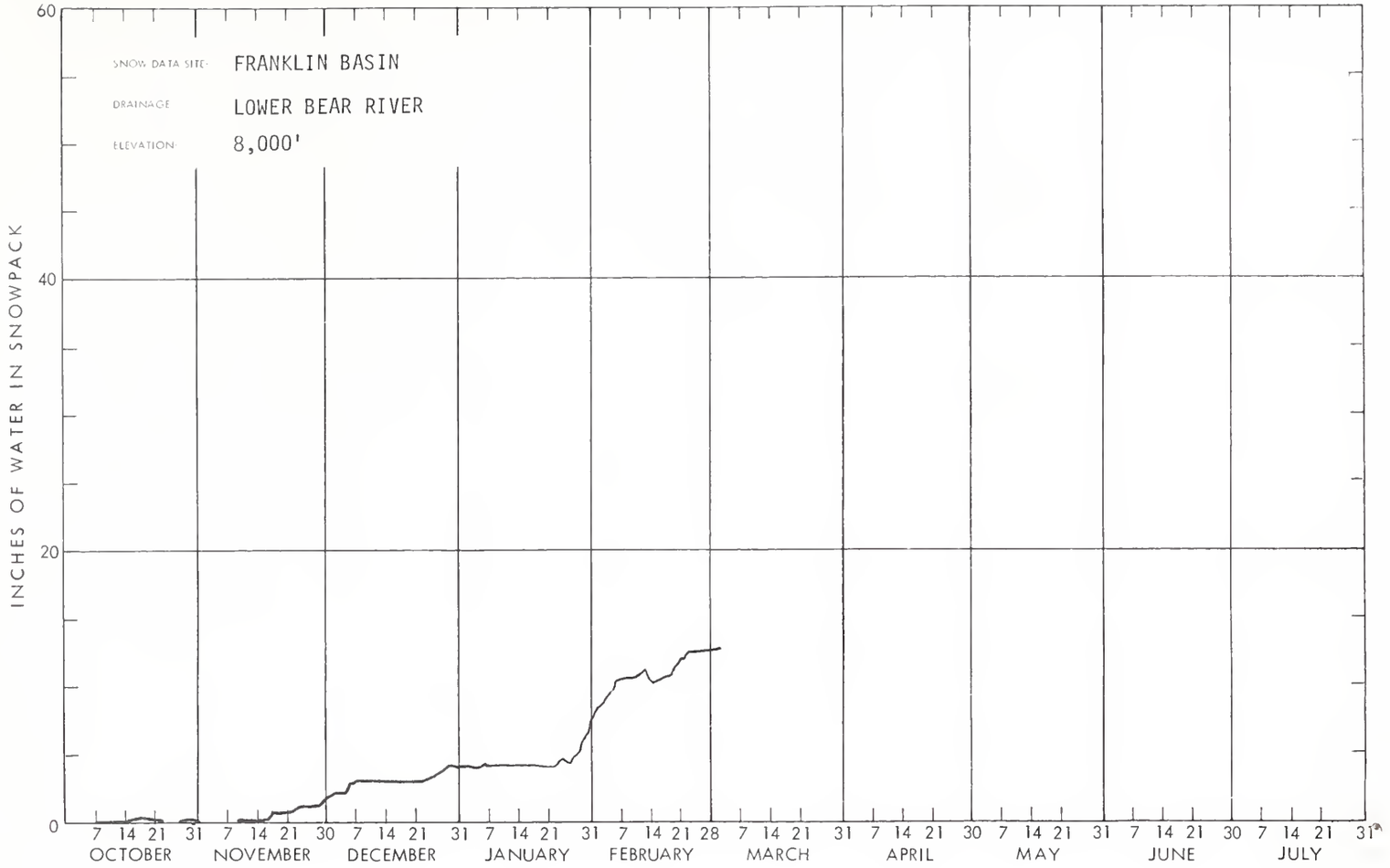



SNOW DATA SITE: MONTE CRISTO R.S.
DRAINAGE: UPPER BEAR RIVER
ELEVATION: 8,960
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

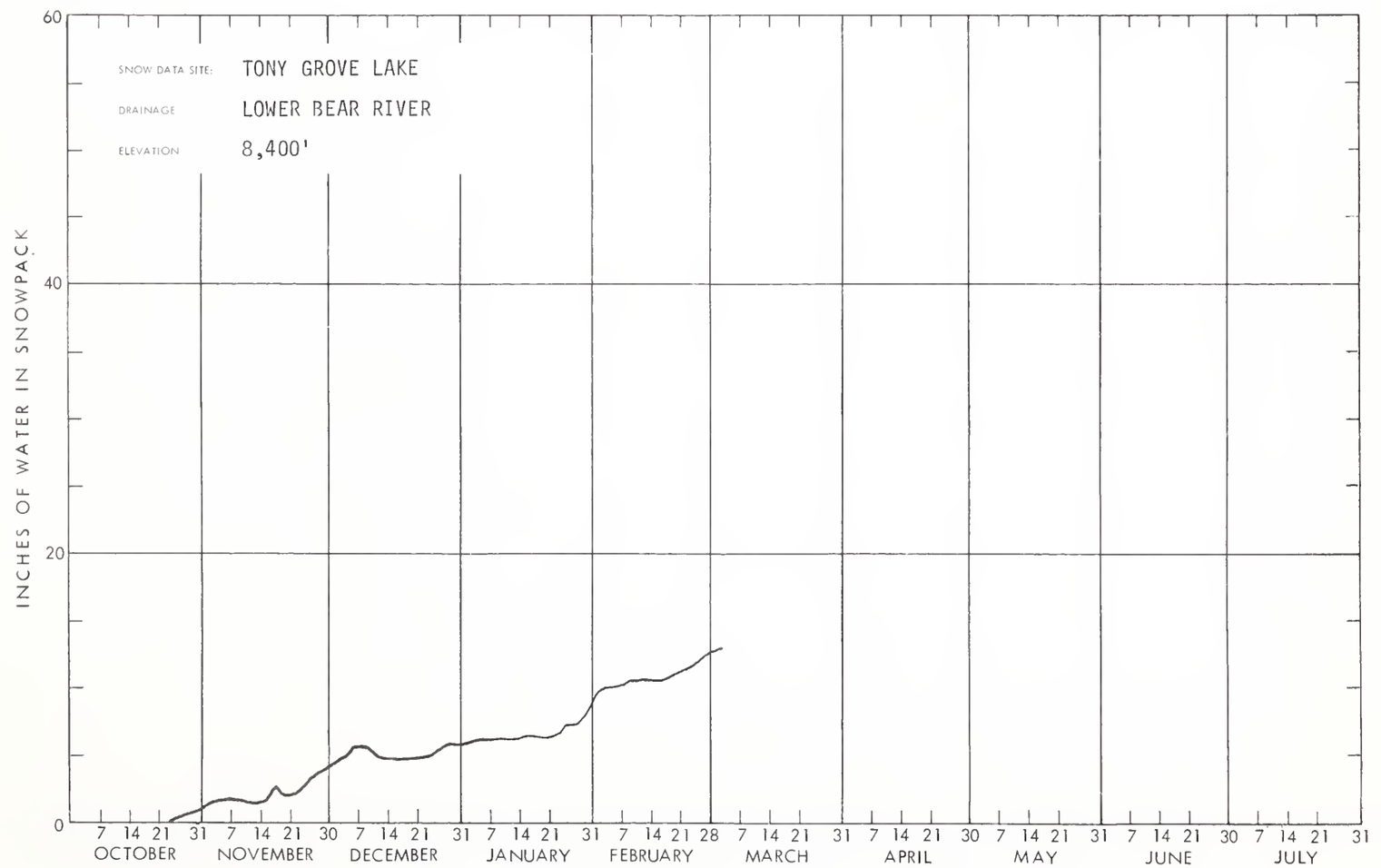
WSFB-X13A

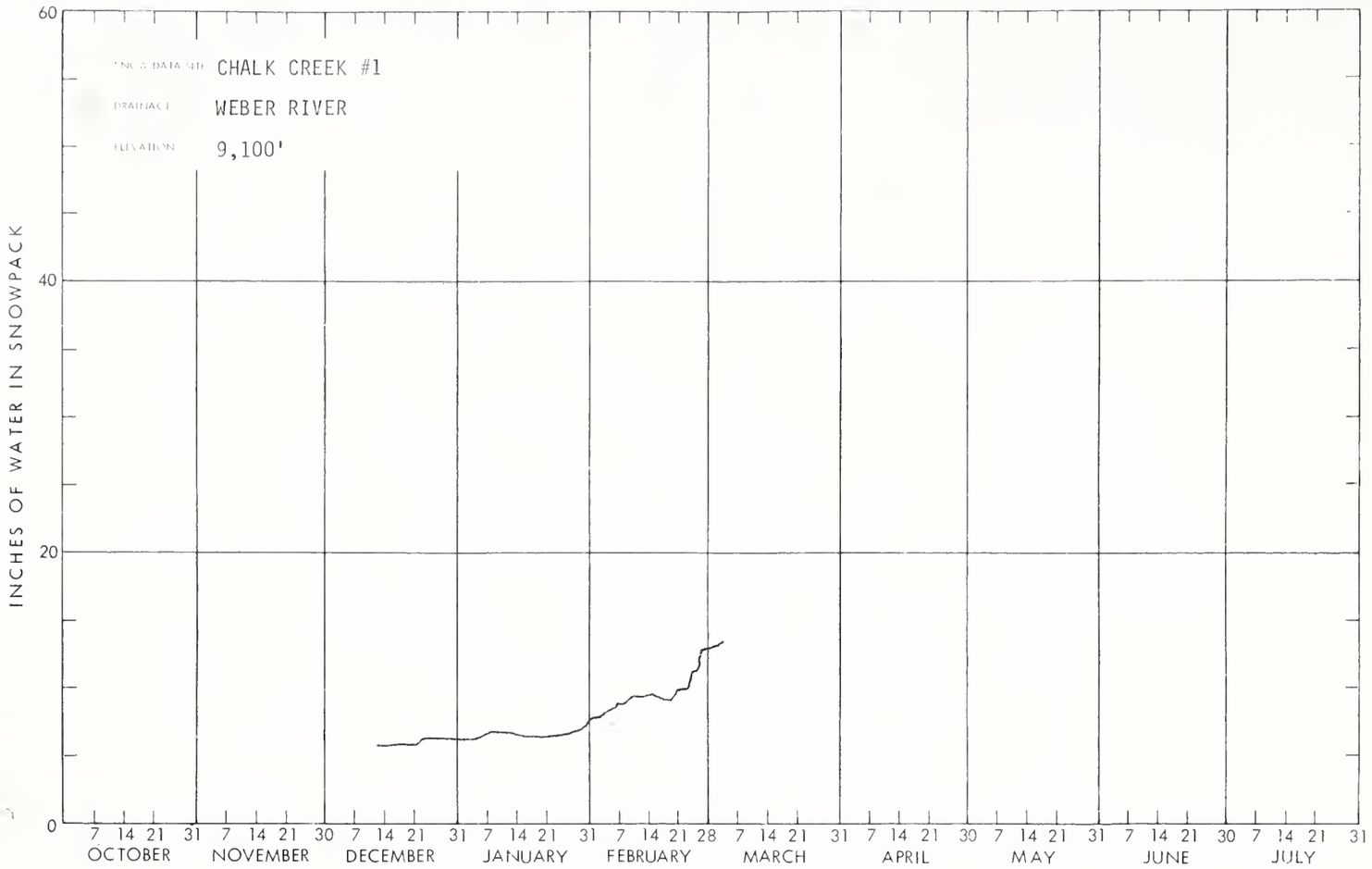

SNOW DATA SITE: DILL'S CAMP
DRAINAGE: MUDDY RIVER
ELEVATION: 9,200'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

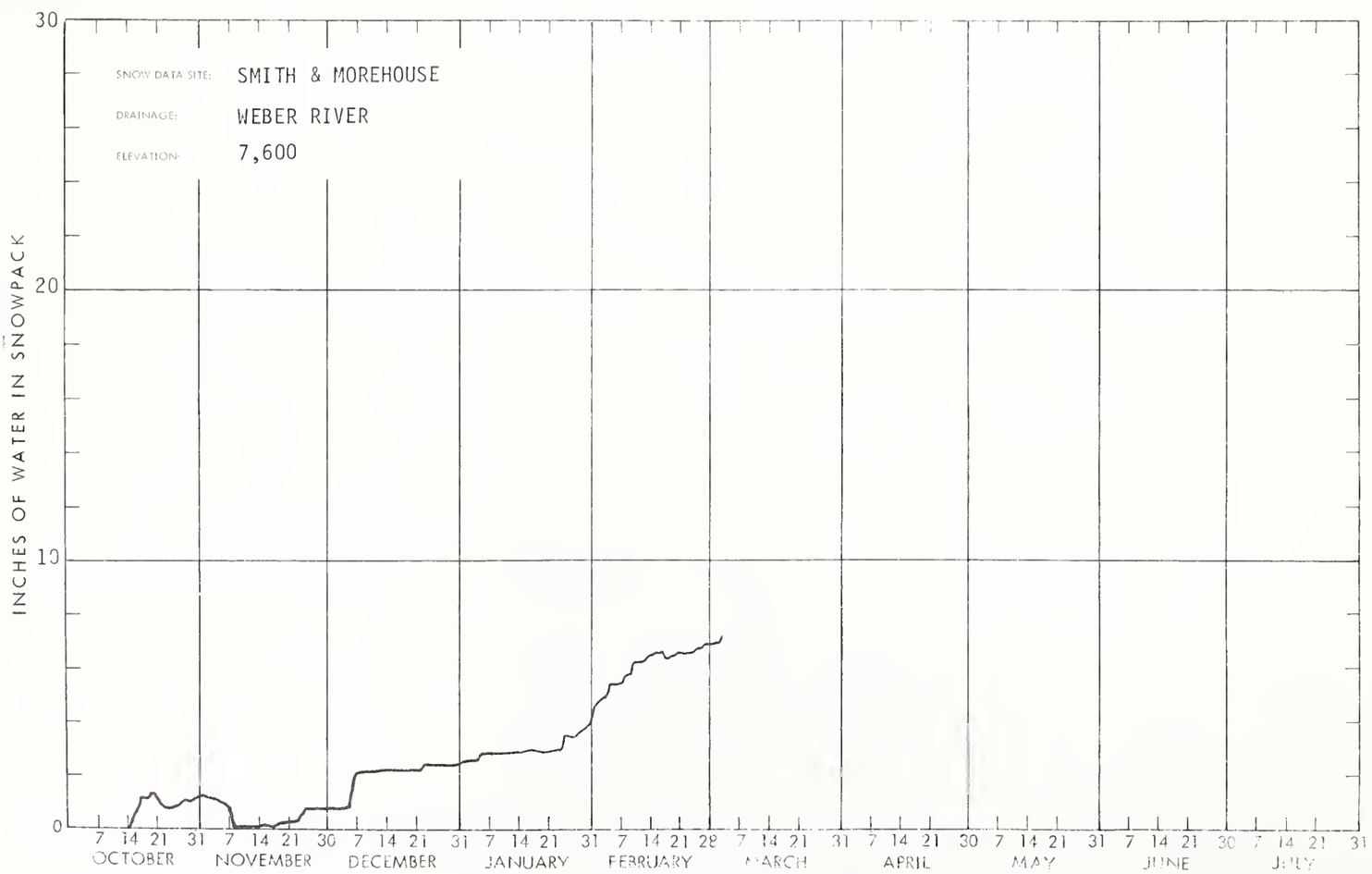
WSFB-X13C



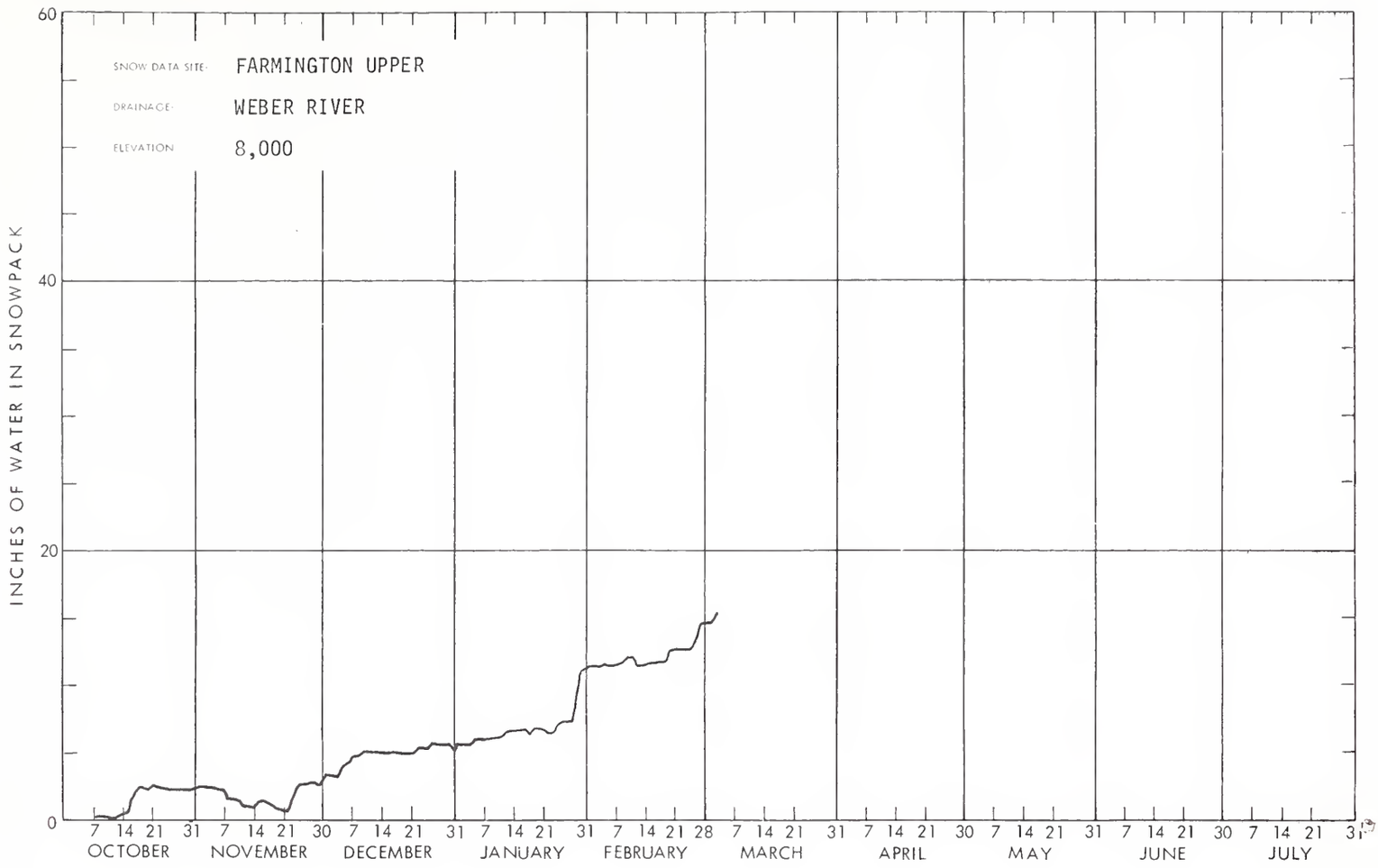
WSFB-X13C



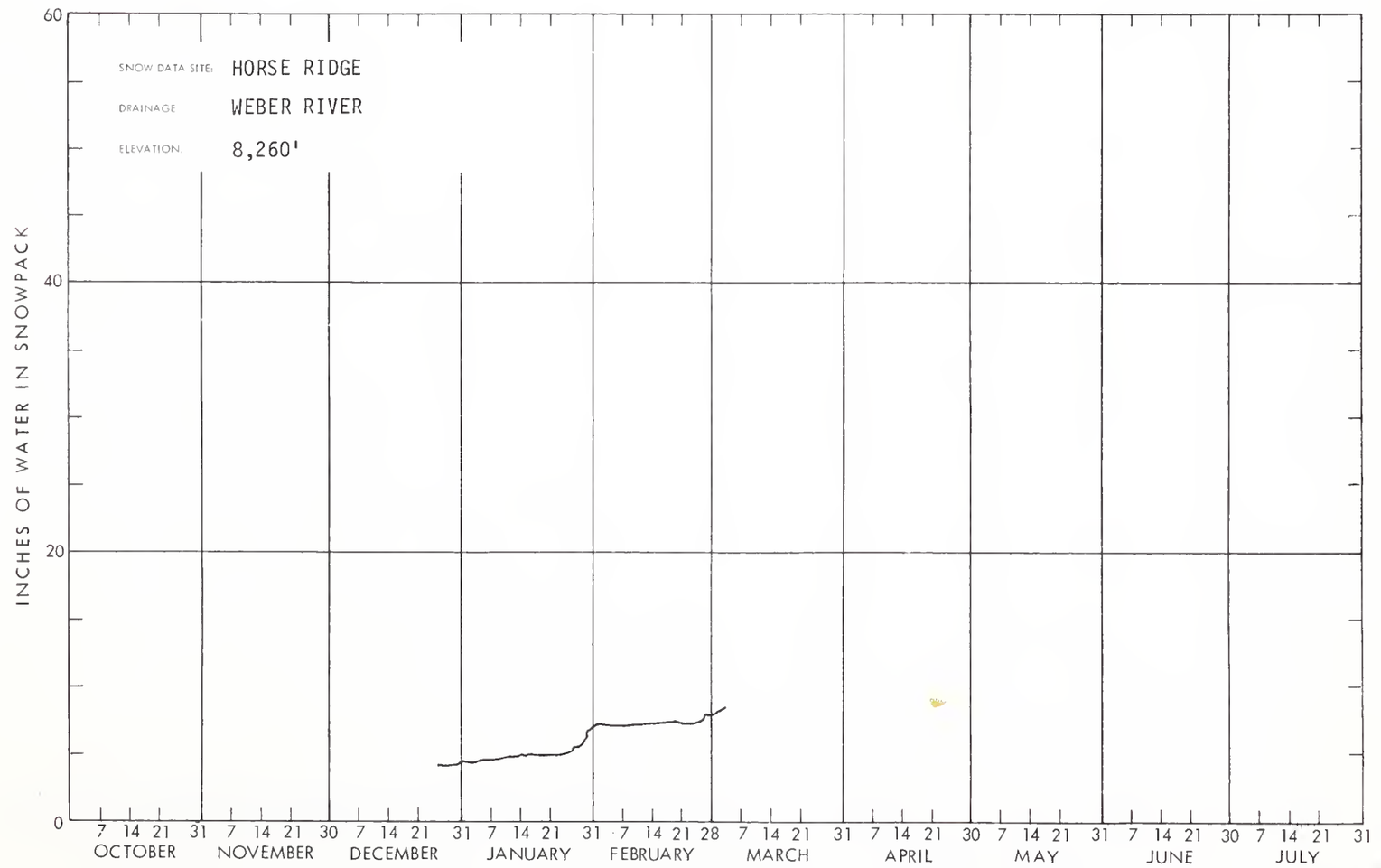

SNOW DATA SITE: CHALK CREEK #1
DRAINAGE: WEBER RIVER
ELEVATION: 9,100'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

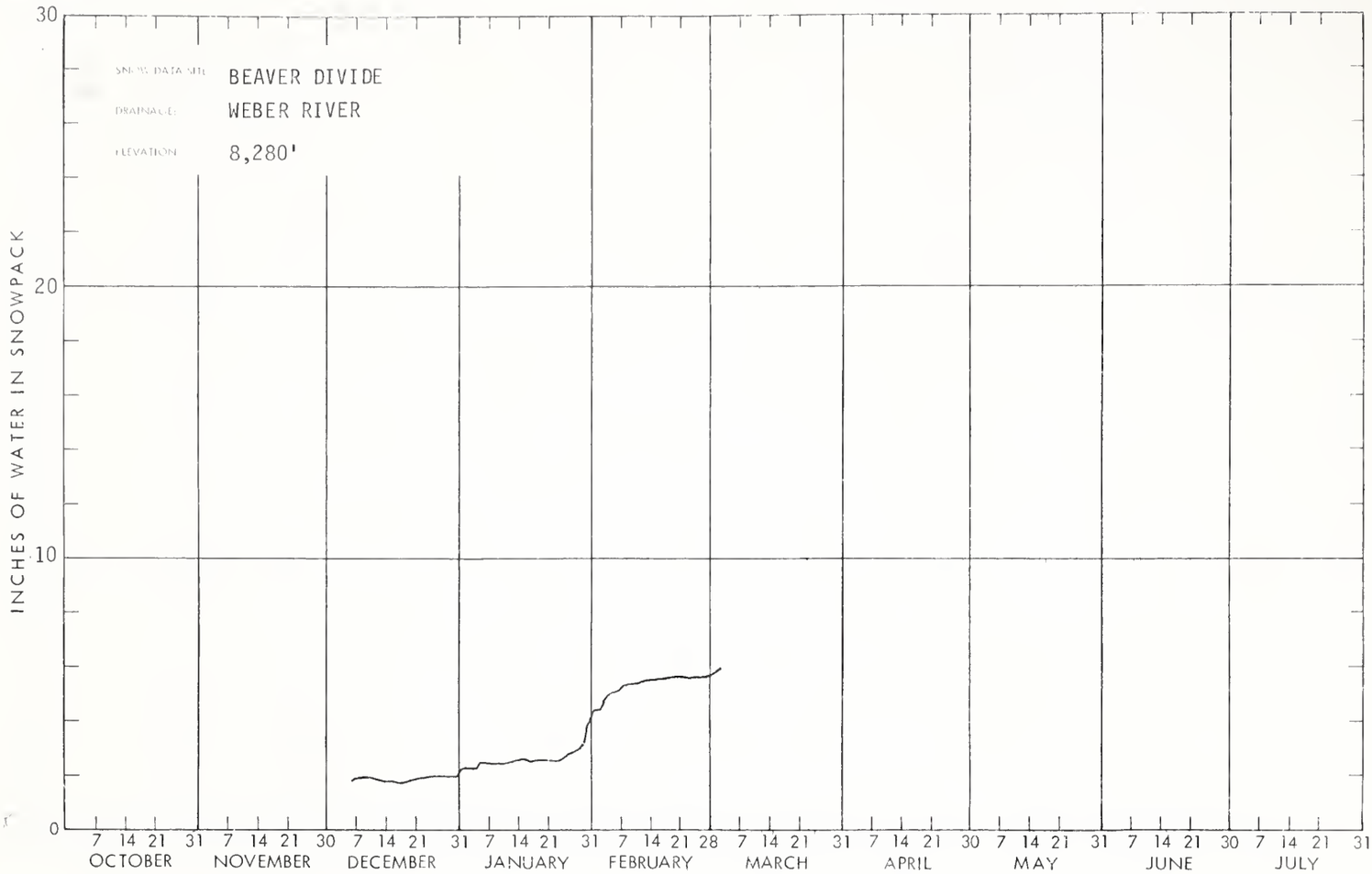

SNOW DATA SITE: SMITH & MOREHOUSE
DRAINAGE: WEBER RIVER
ELEVATION: 7,600
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13C

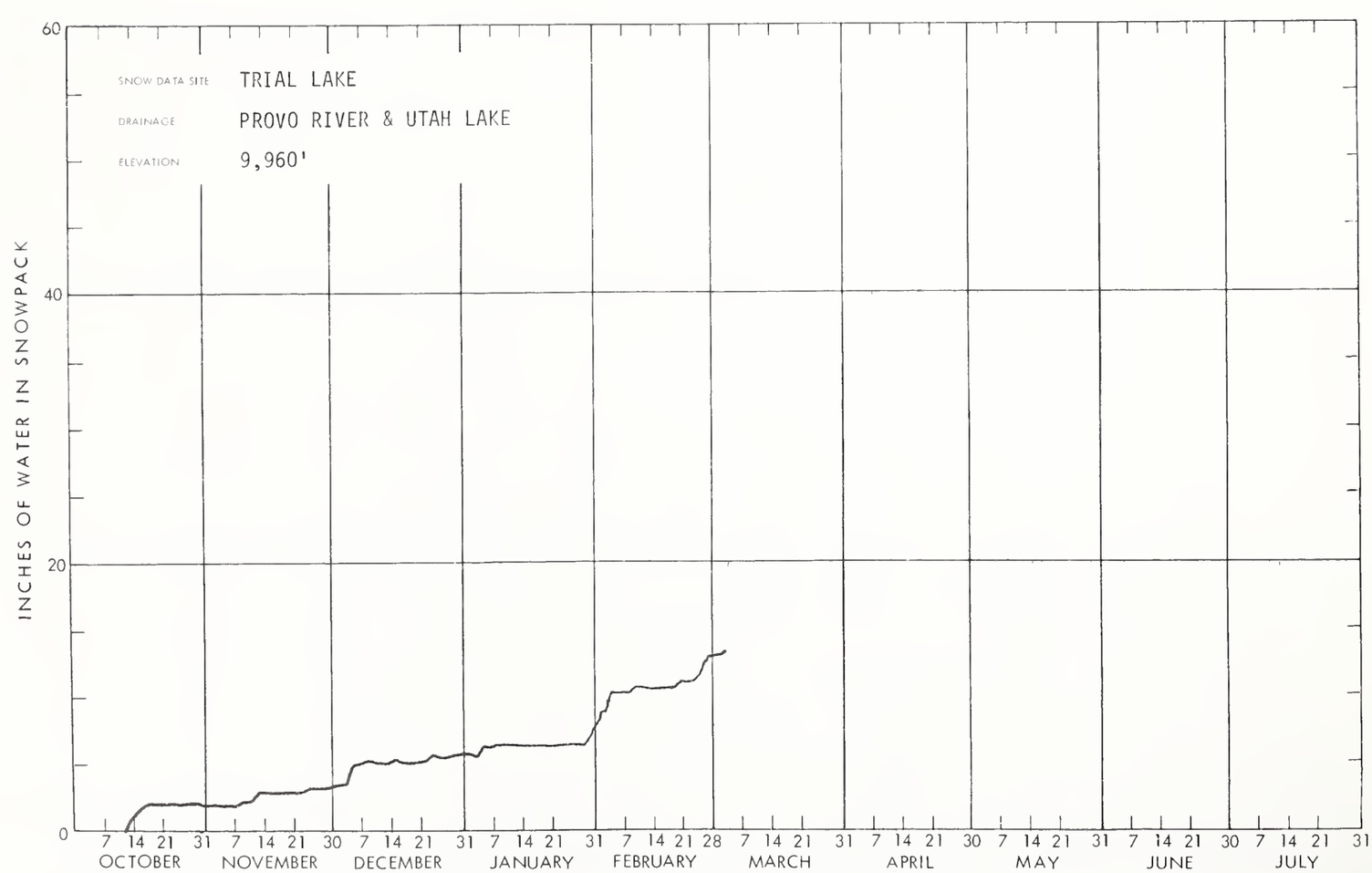


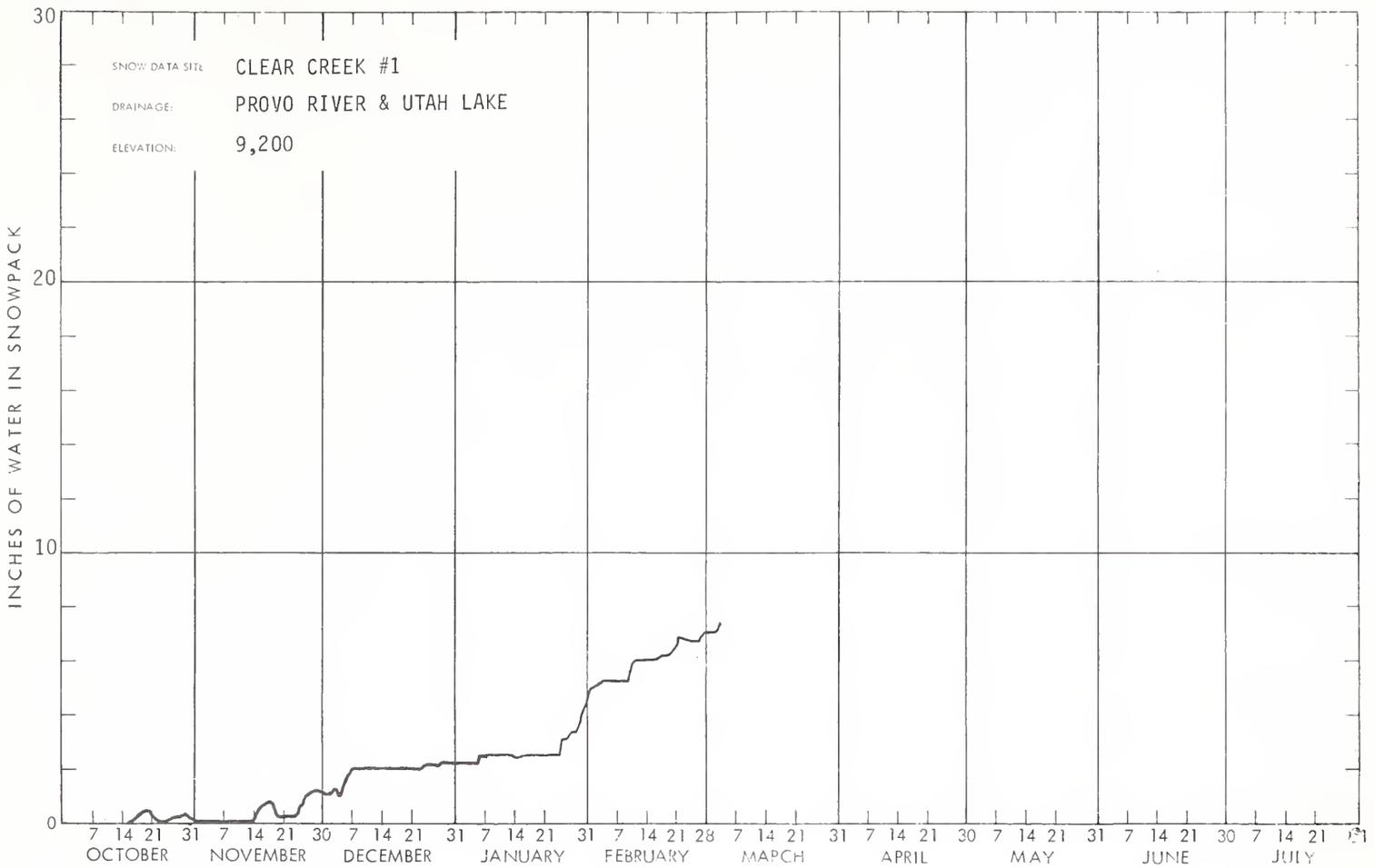
WSFB-X13C



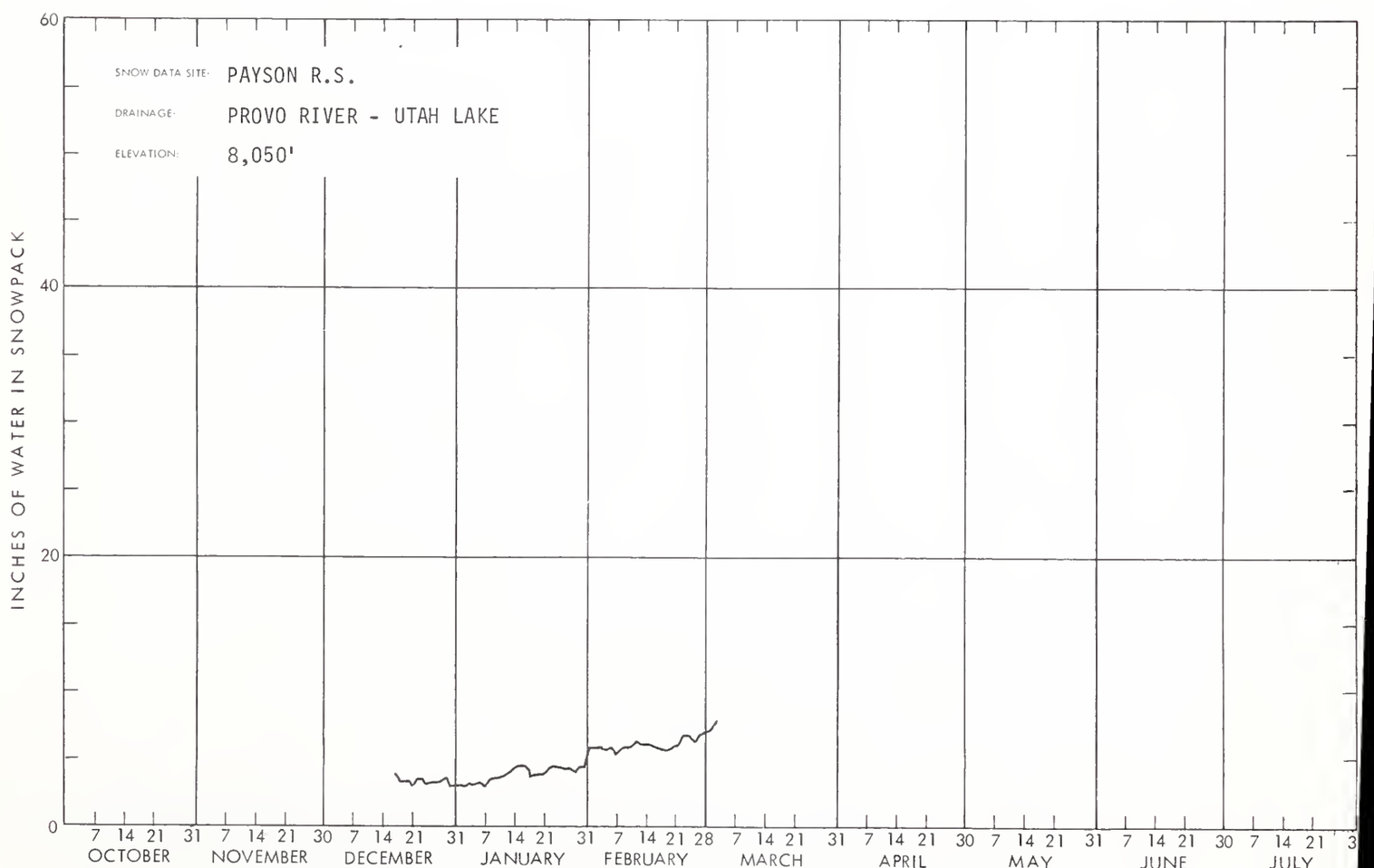

SNOW DATA SITE
BEAVER DIVIDE
DRAINAGE
WEBER RIVER
ELEVATION
8,280'
INCHES OF WATER IN SNOWPACK
0
10
20
30
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

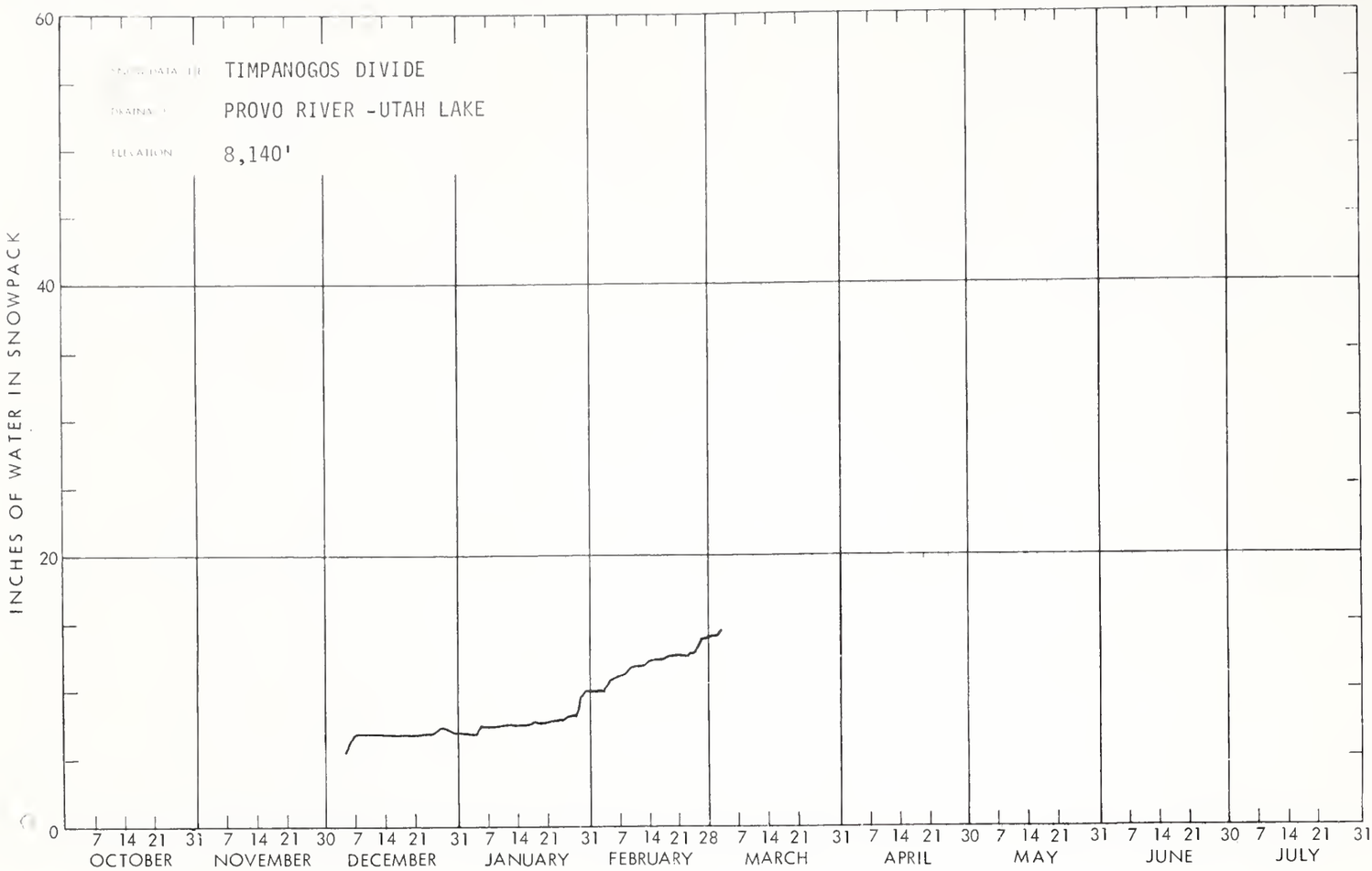
WSFB-X13C


SNOW DATA SITE
TRIAL LAKE
DRAINAGE
PROVO RIVER & UTAH LAKE
ELEVATION
9,960'
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

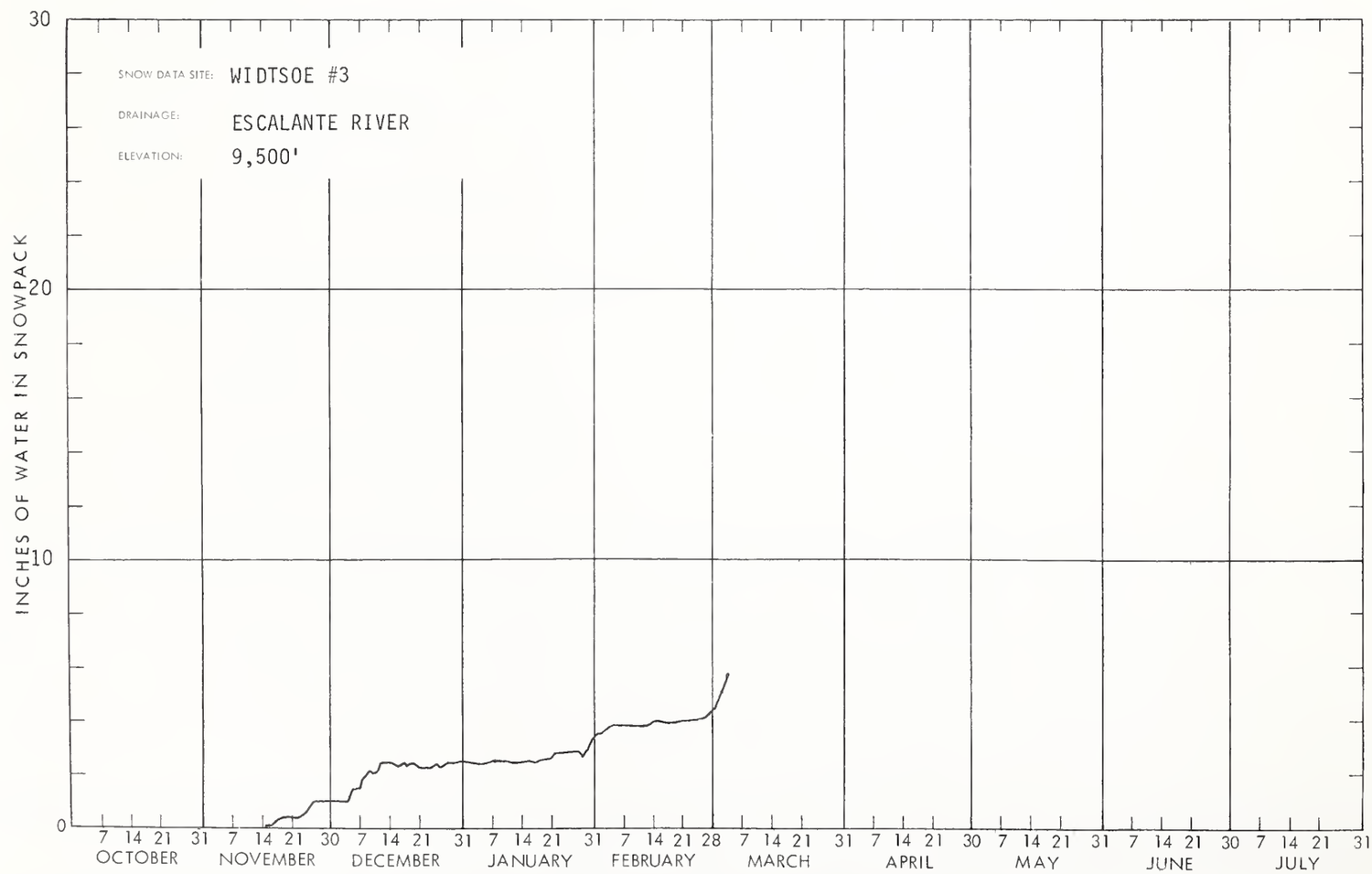

SNOW DATA SITE: CLEAR CREEK #1
DRAINAGE: PROVO RIVER & UTAH LAKE
ELEVATION: 9,200
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

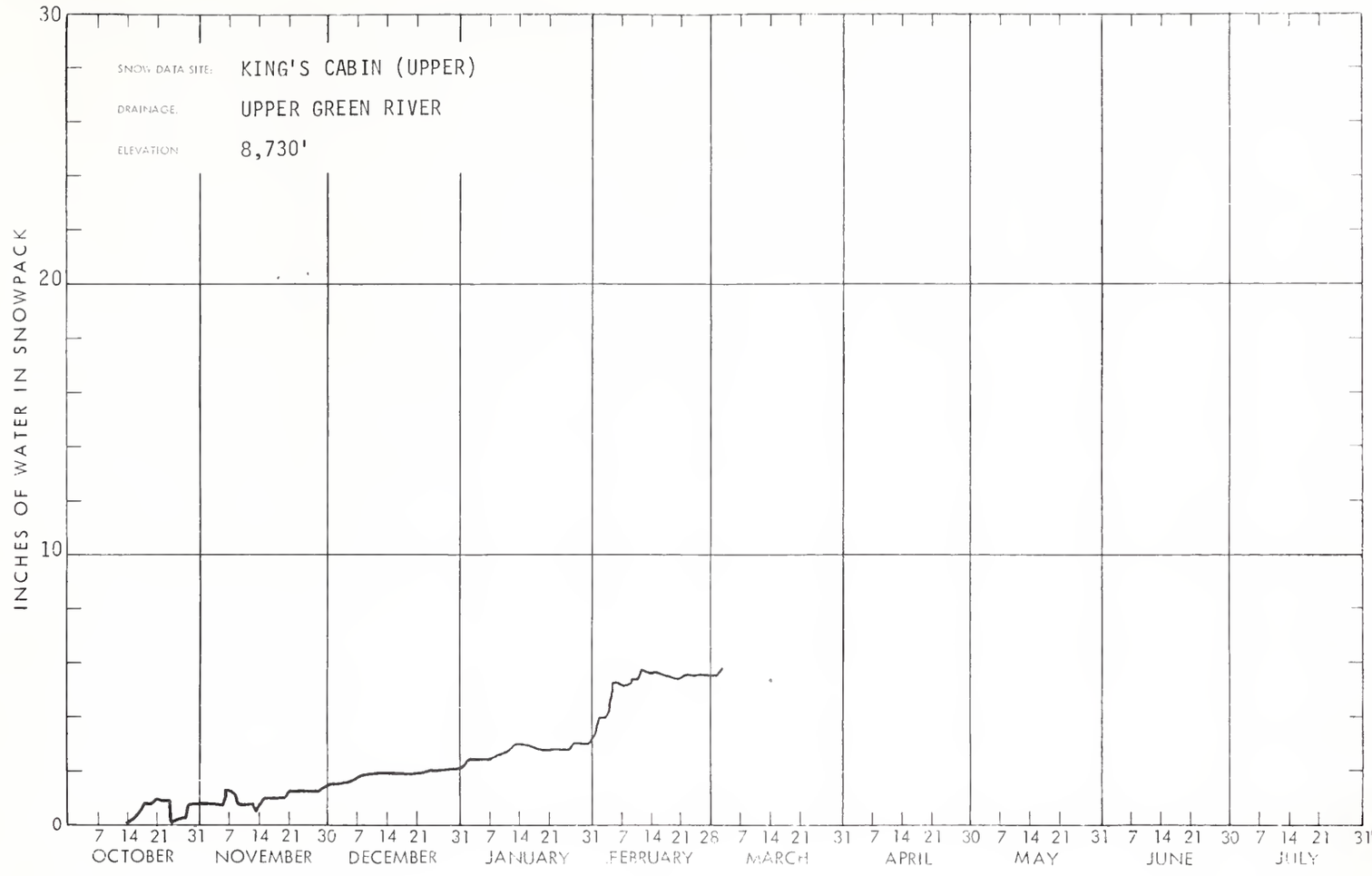
WSFB-X13C


SNOW DATA SITE: PAYSON R.S.
DRAINAGE: PROVO RIVER - UTAH LAKE
ELEVATION: 8,050'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

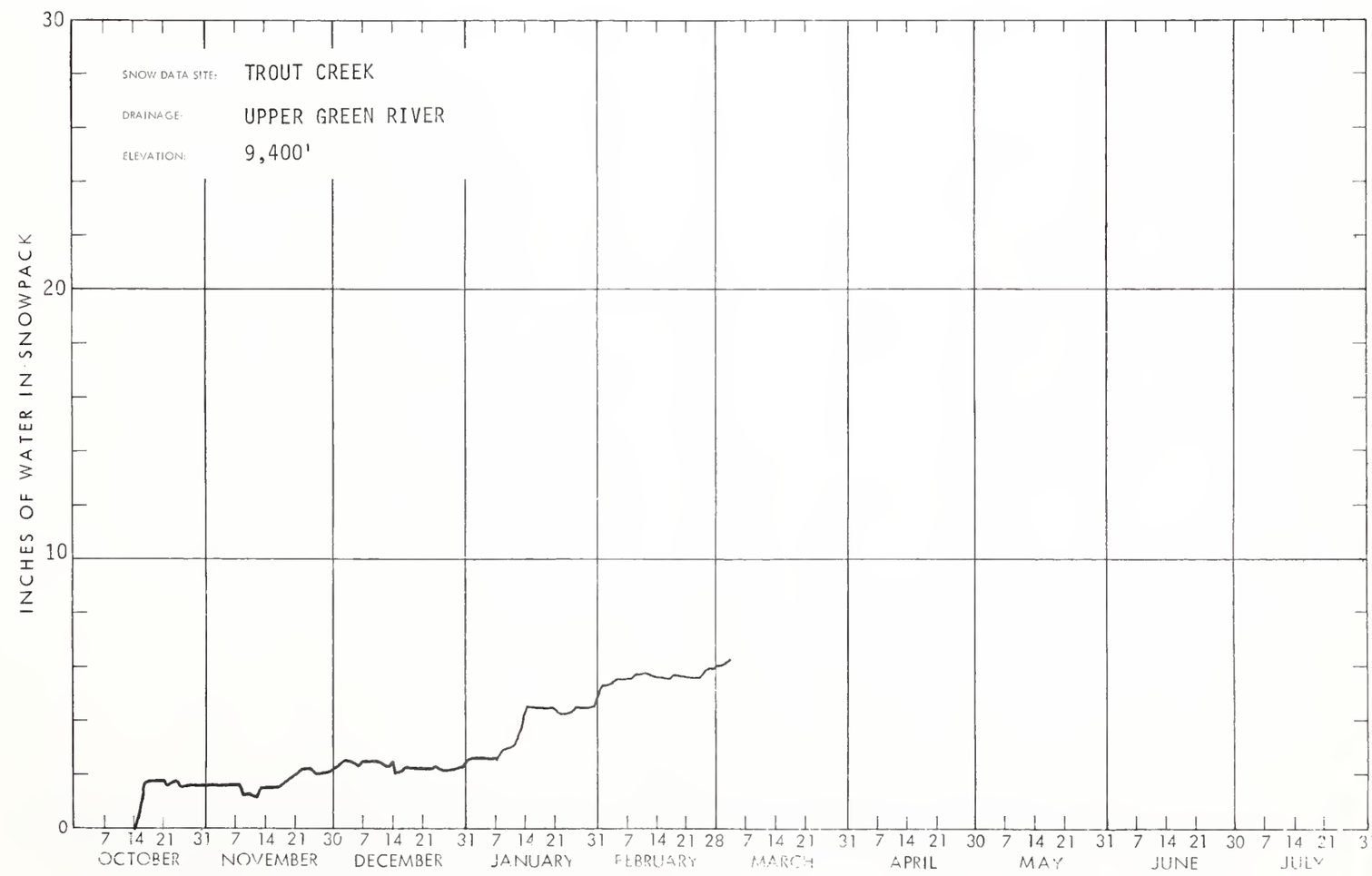

TIMPANOGOS DIVIDE
PROVO RIVER -UTAH LAKE
8,140'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

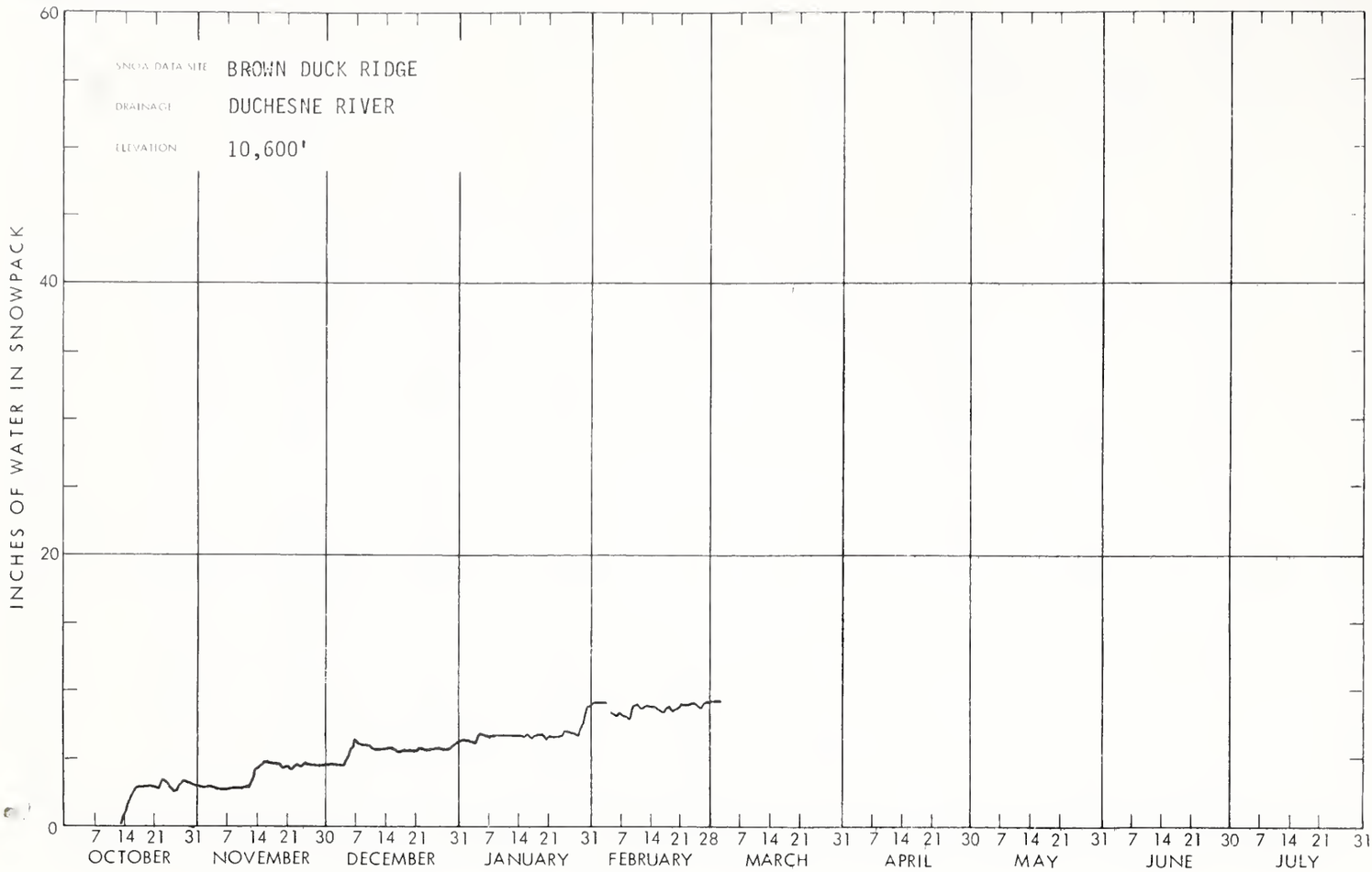
WSFB-X13A


SNOW DATA SITE: WIDTSOE #3
DRAINAGE: ESCALANTE RIVER
ELEVATION: 9,500'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

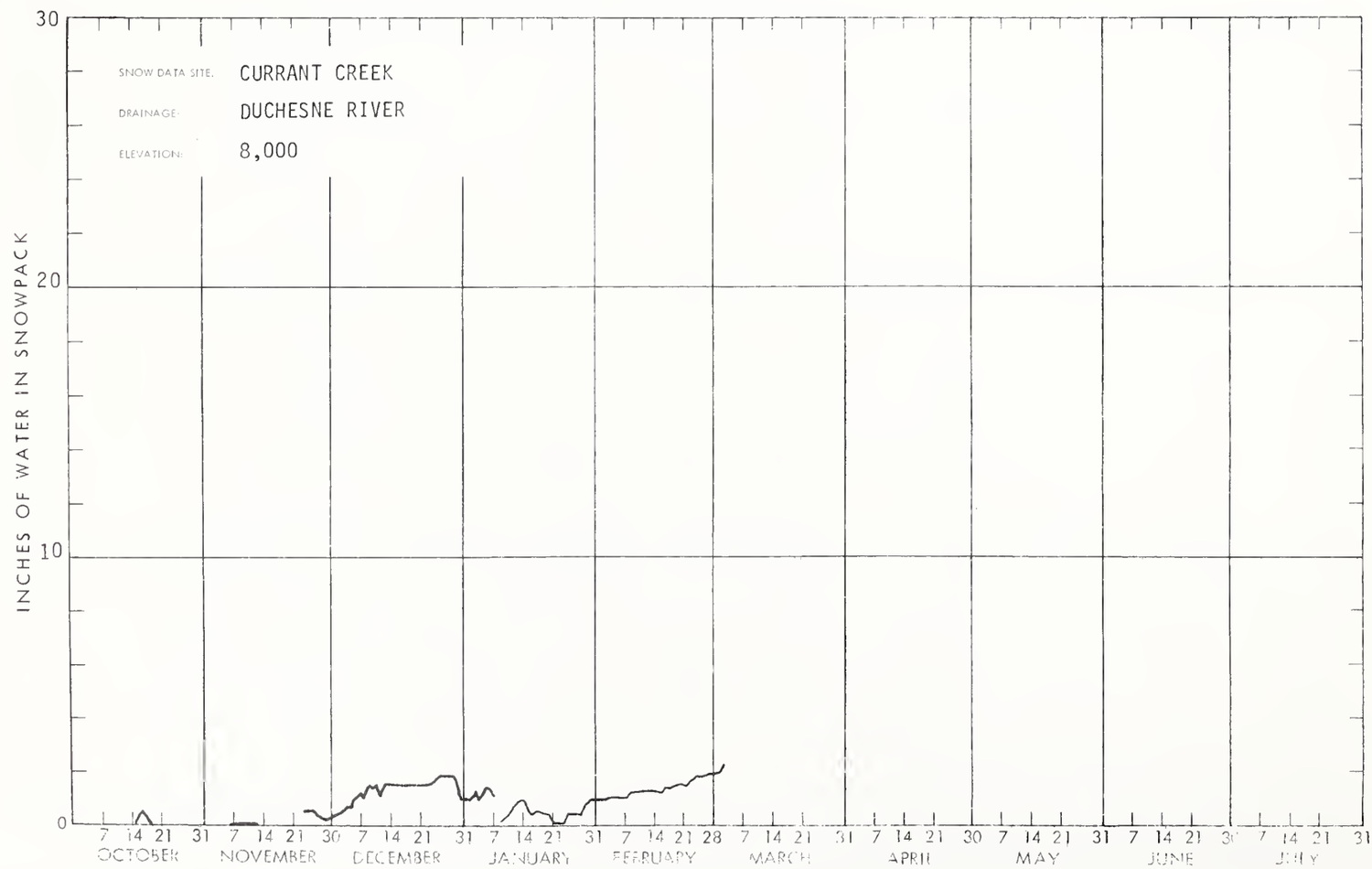

SNOW DATA SITE: KING'S CABIN (UPPER)
DRAINAGE: UPPER GREEN RIVER
ELEVATION: 8,730'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X 13A

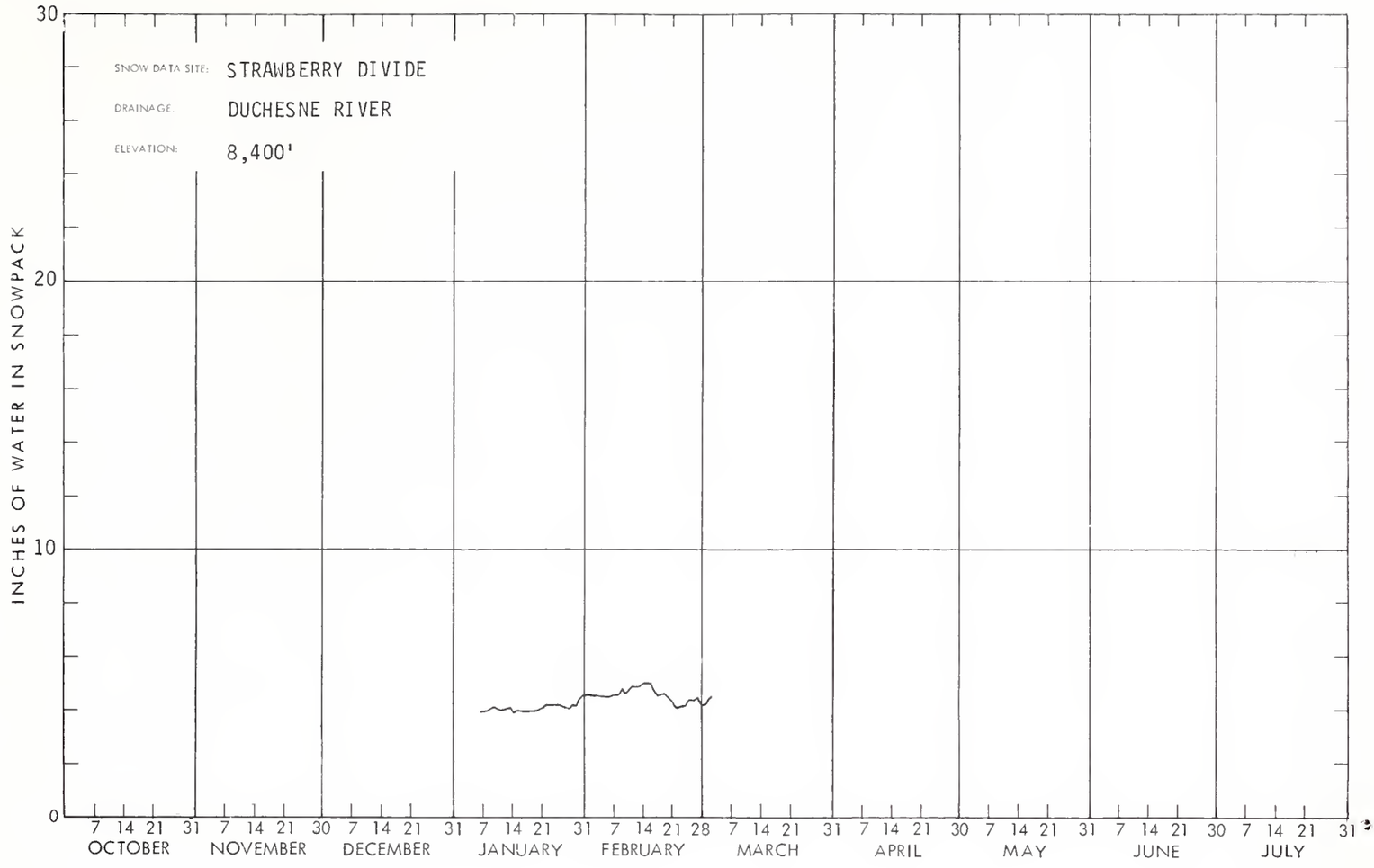

SNOW DATA SITE: TROUT CREEK
DRAINAGE: UPPER GREEN RIVER
ELEVATION: 9,400'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: BROWN DUCK RIDGE
DRAINAGE: DUCHESNE RIVER
ELEVATION: 10,600'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

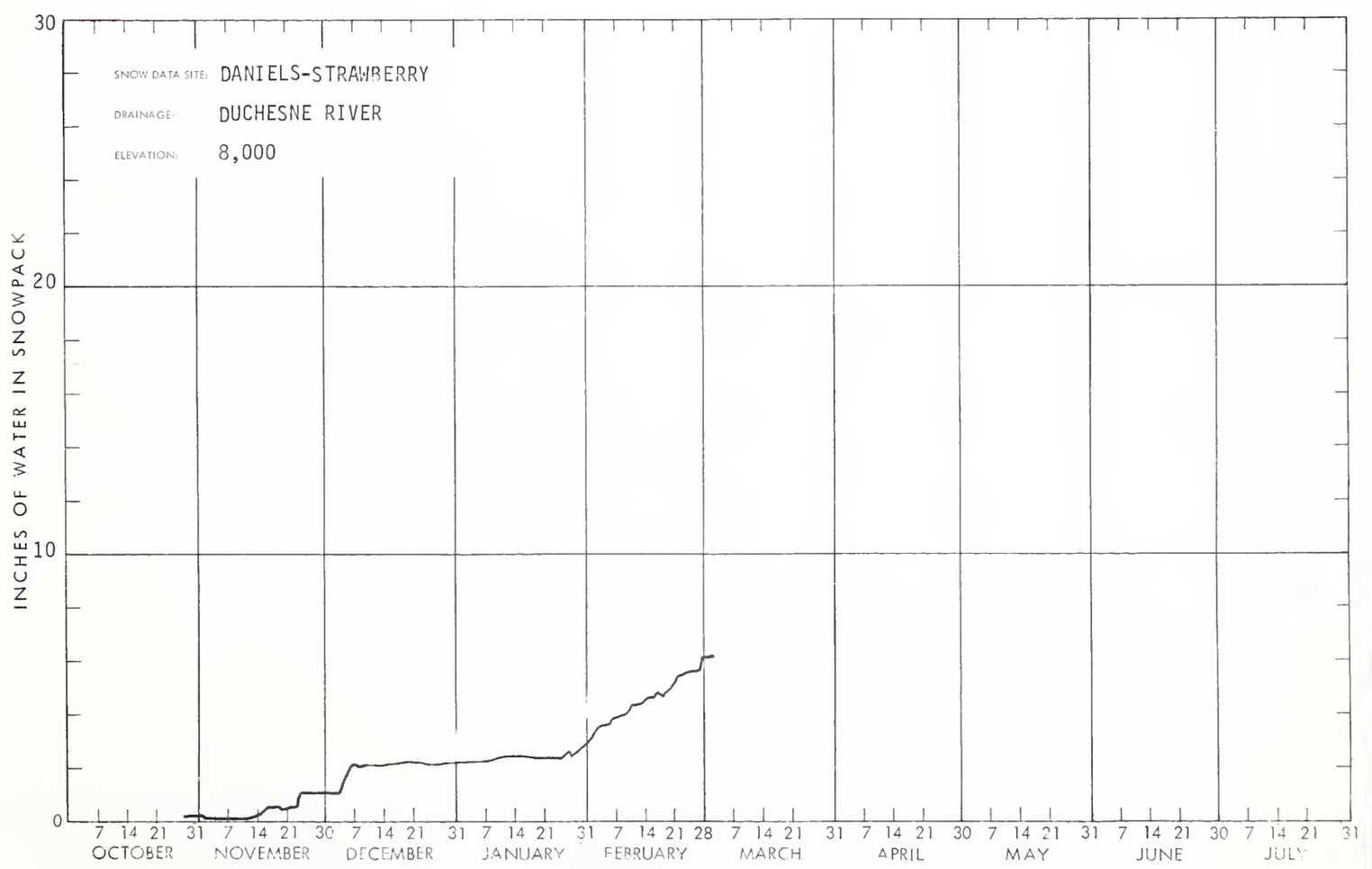
WSFB-X13A

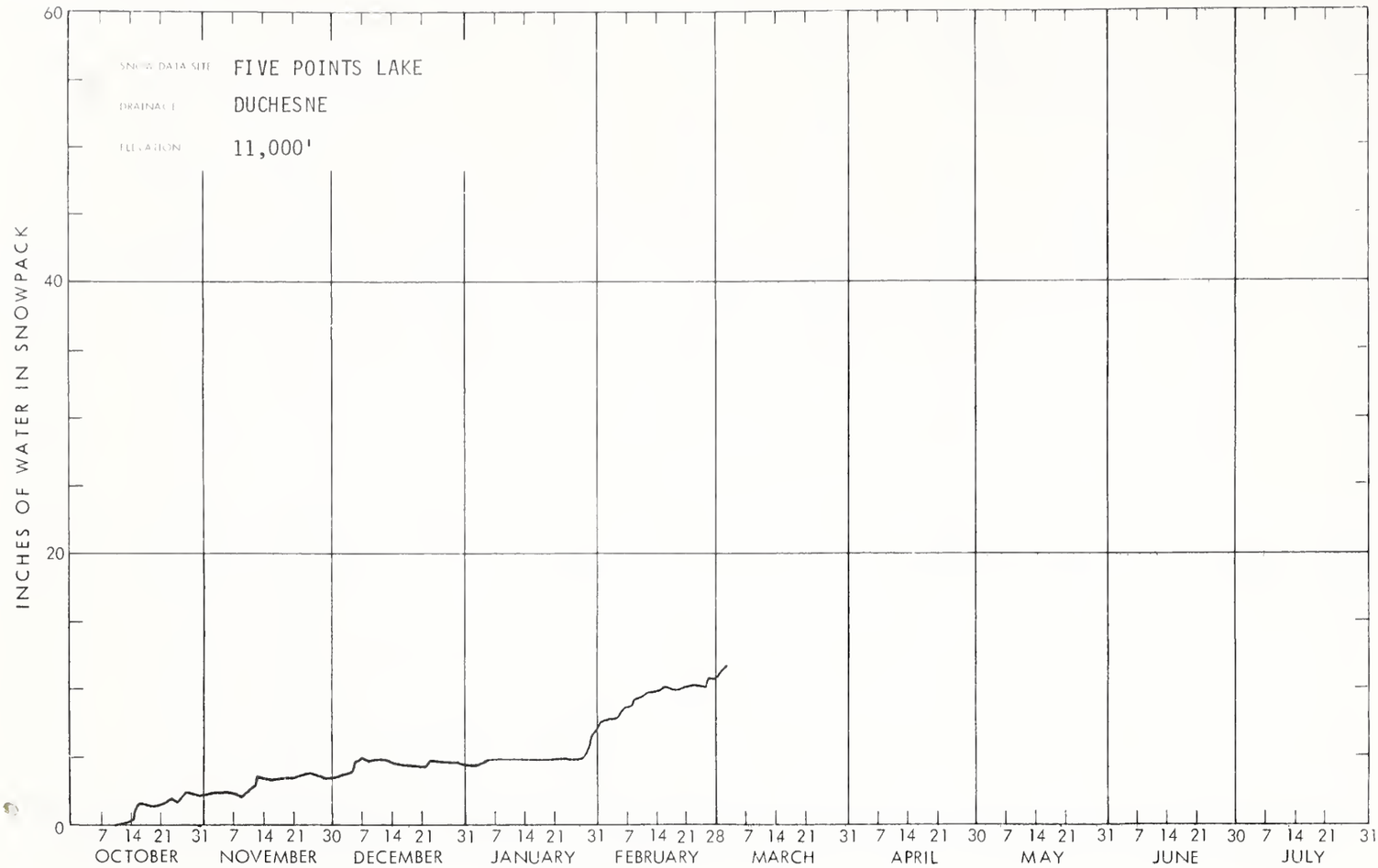

SNOW DATA SITE: CURRANT CREEK
DRAINAGE: DUCHESNE RIVER
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13A

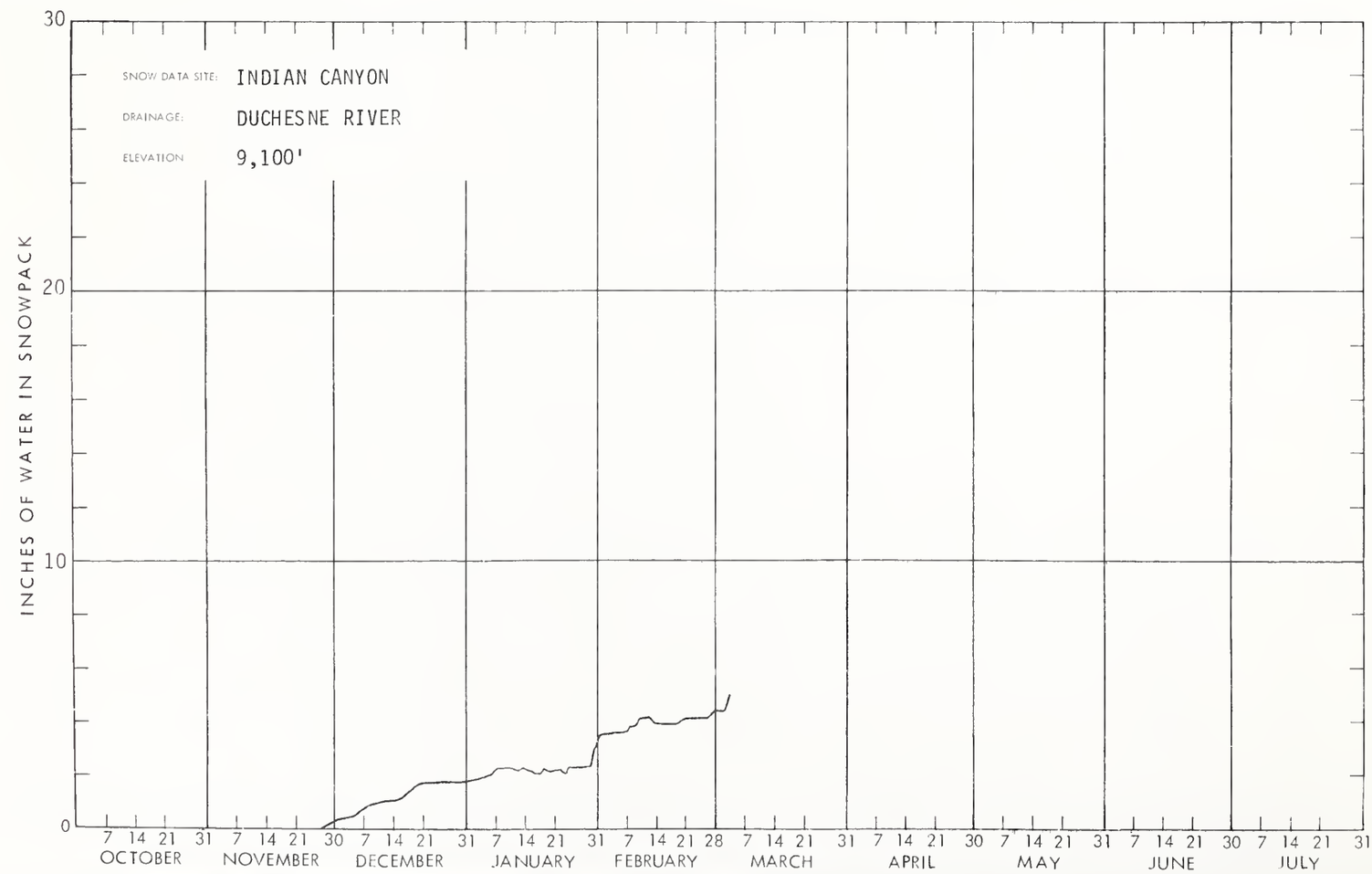


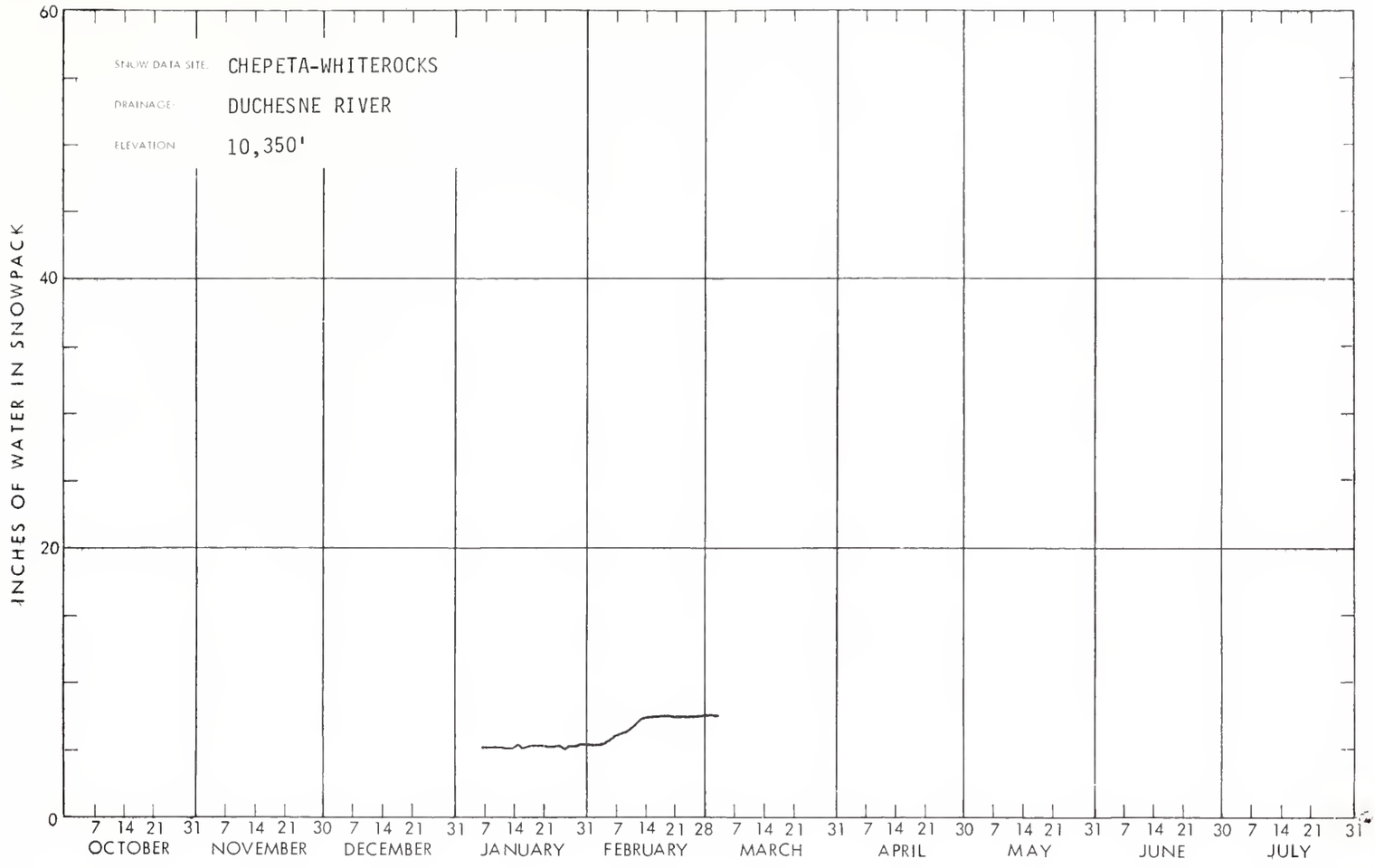
WSFB-X13A



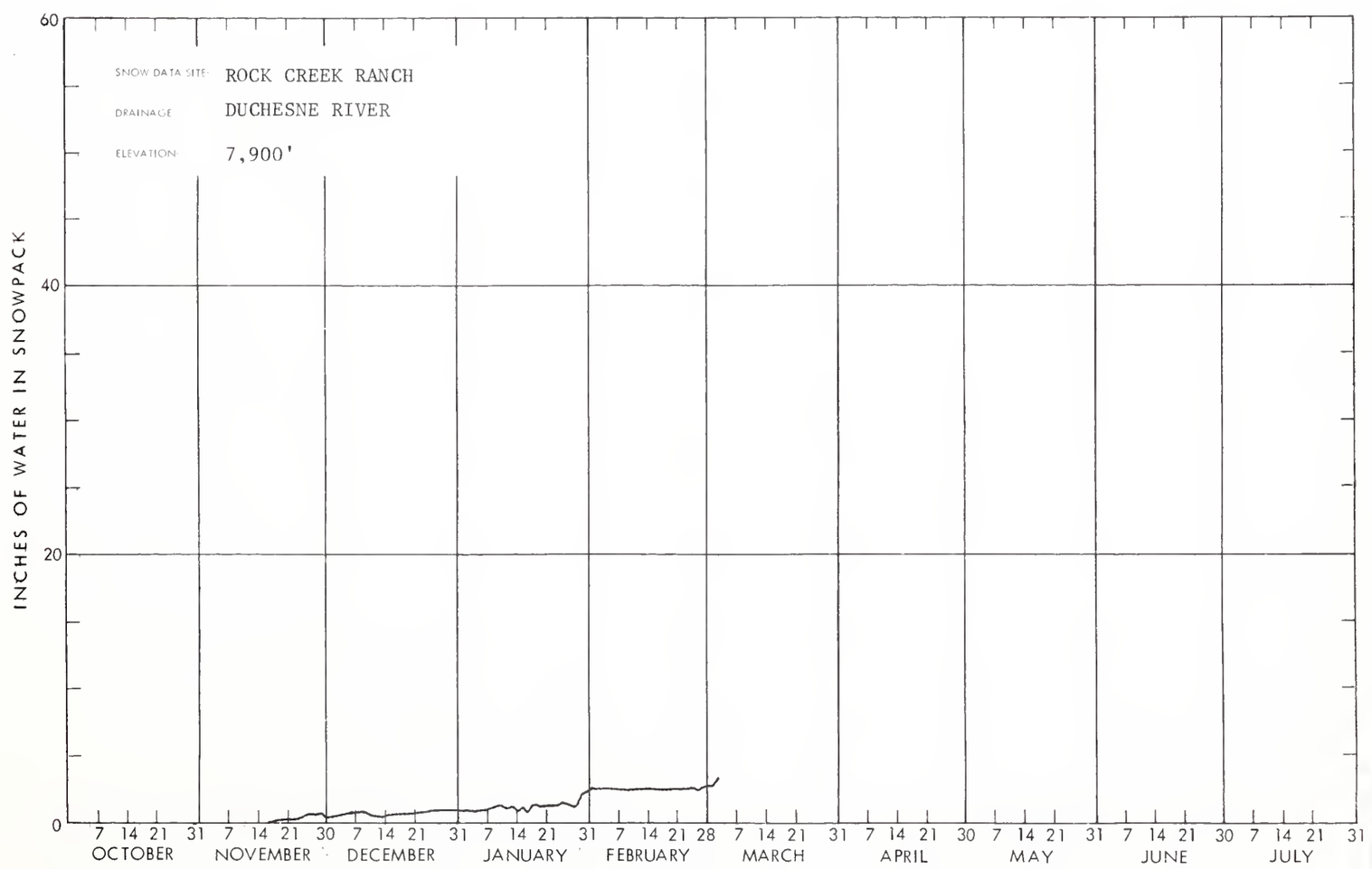

SNOW DATA SITE: FIVE POINTS LAKE
DRAINAGE: DUCHESNE
ELEVATION: 11,000'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

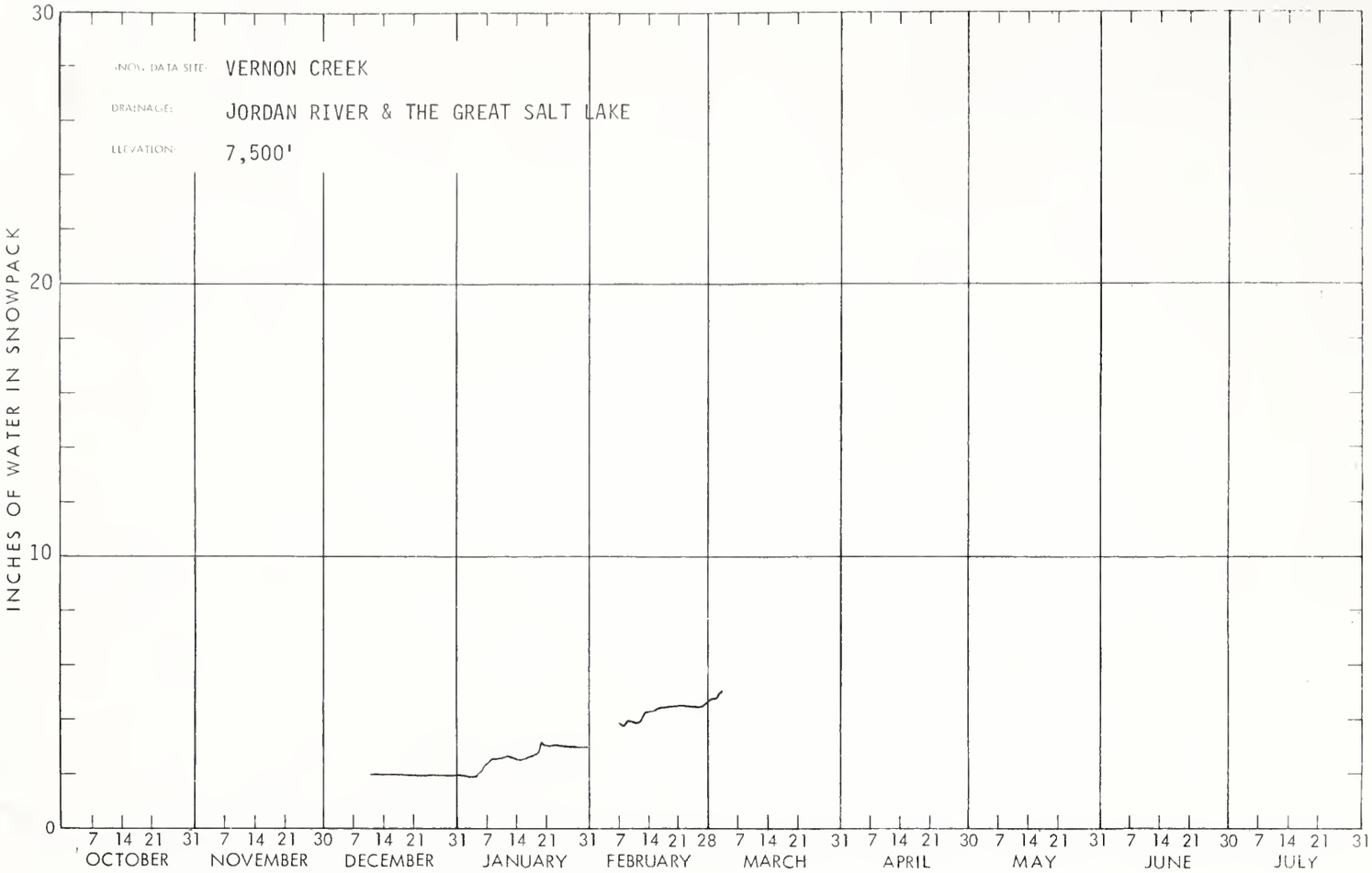
WSFB-X13A

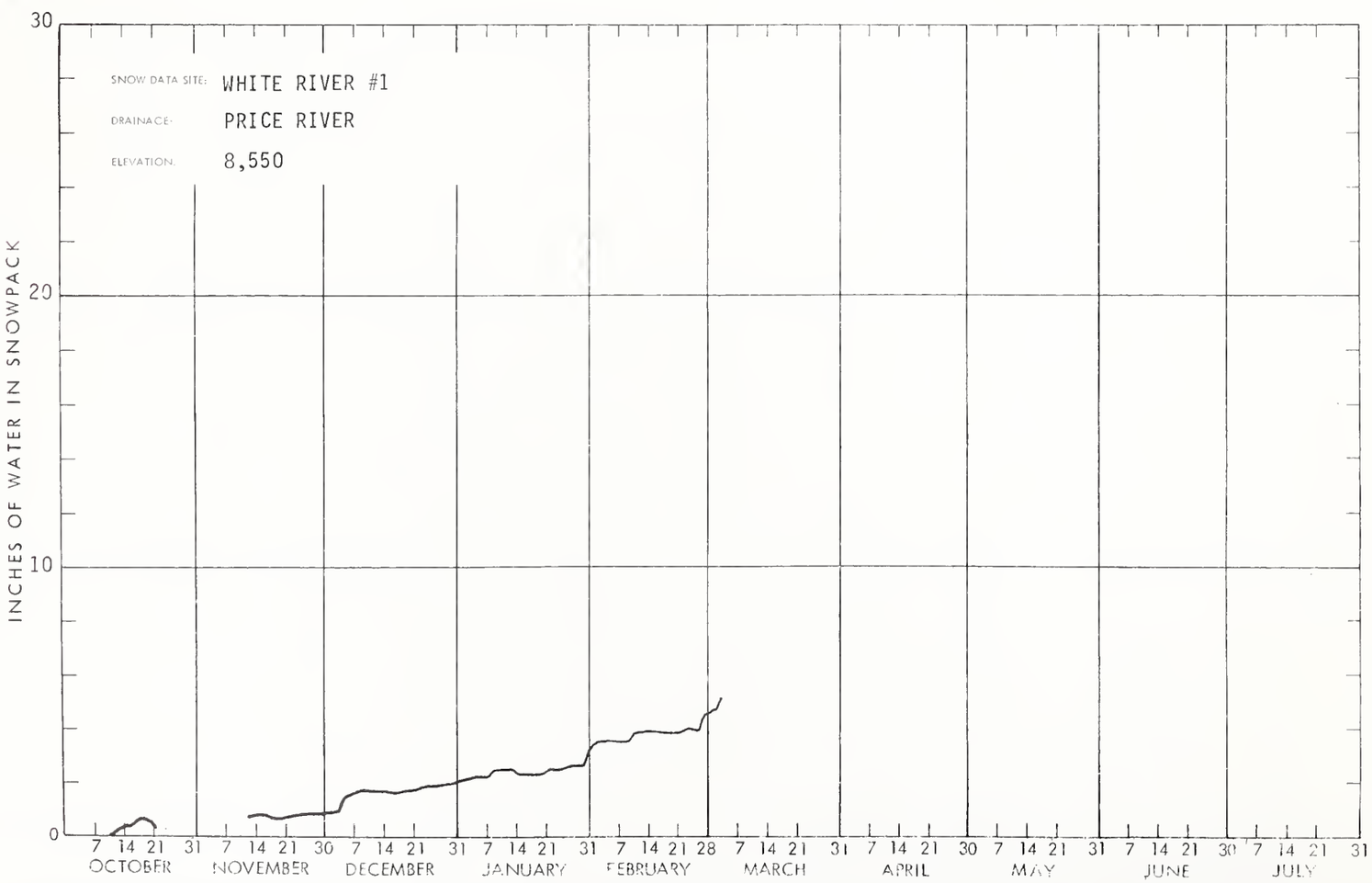

SNOW DATA SITE: INDIAN CANYON
DRAINAGE: DUCHESNE RIVER
ELEVATION: 9,100'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

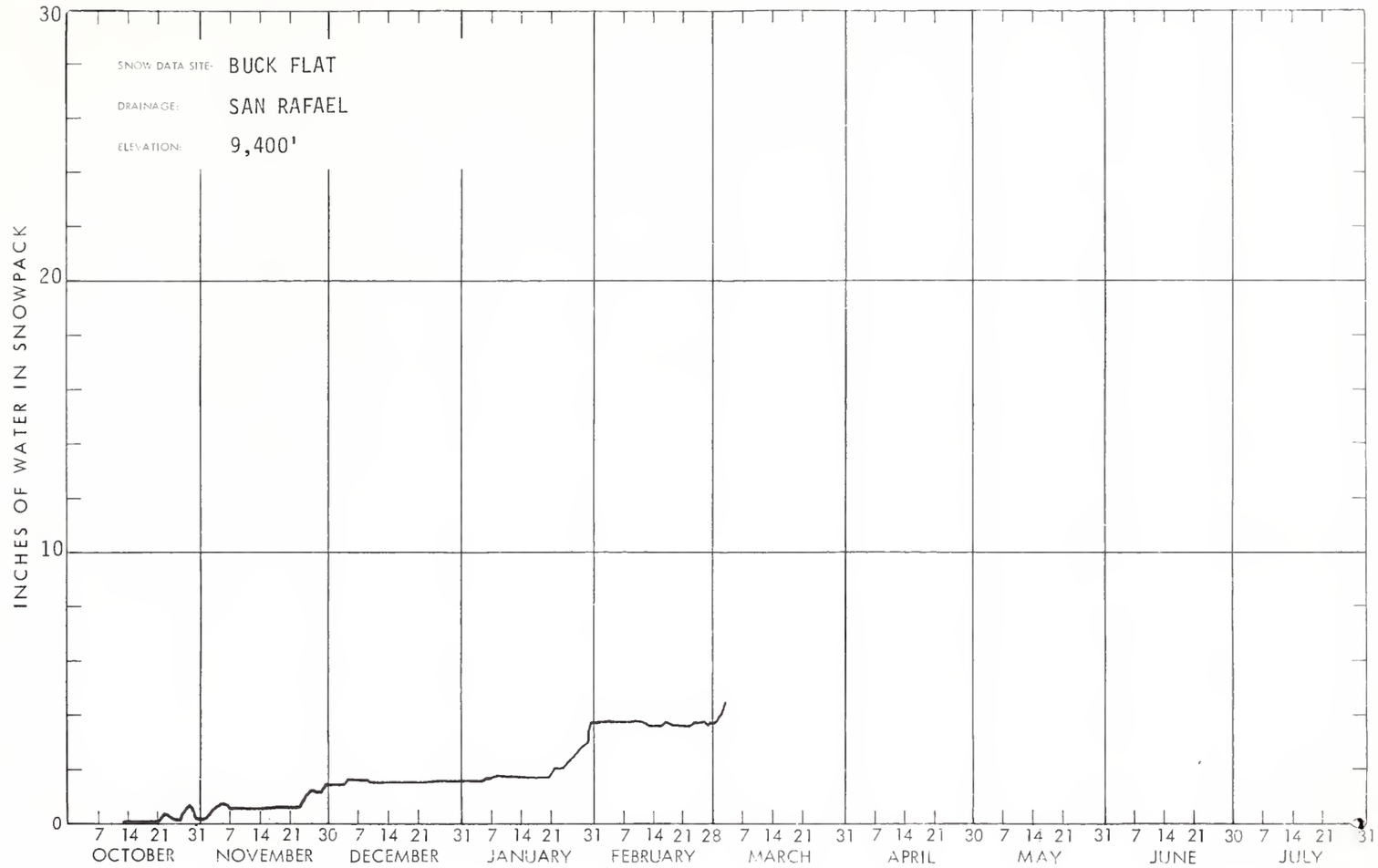

SNOW DATA SITE: CHEPETA-WHITEROCKS
DRAINAGE: DUCHESNE RIVER
ELEVATION: 10,350'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13C

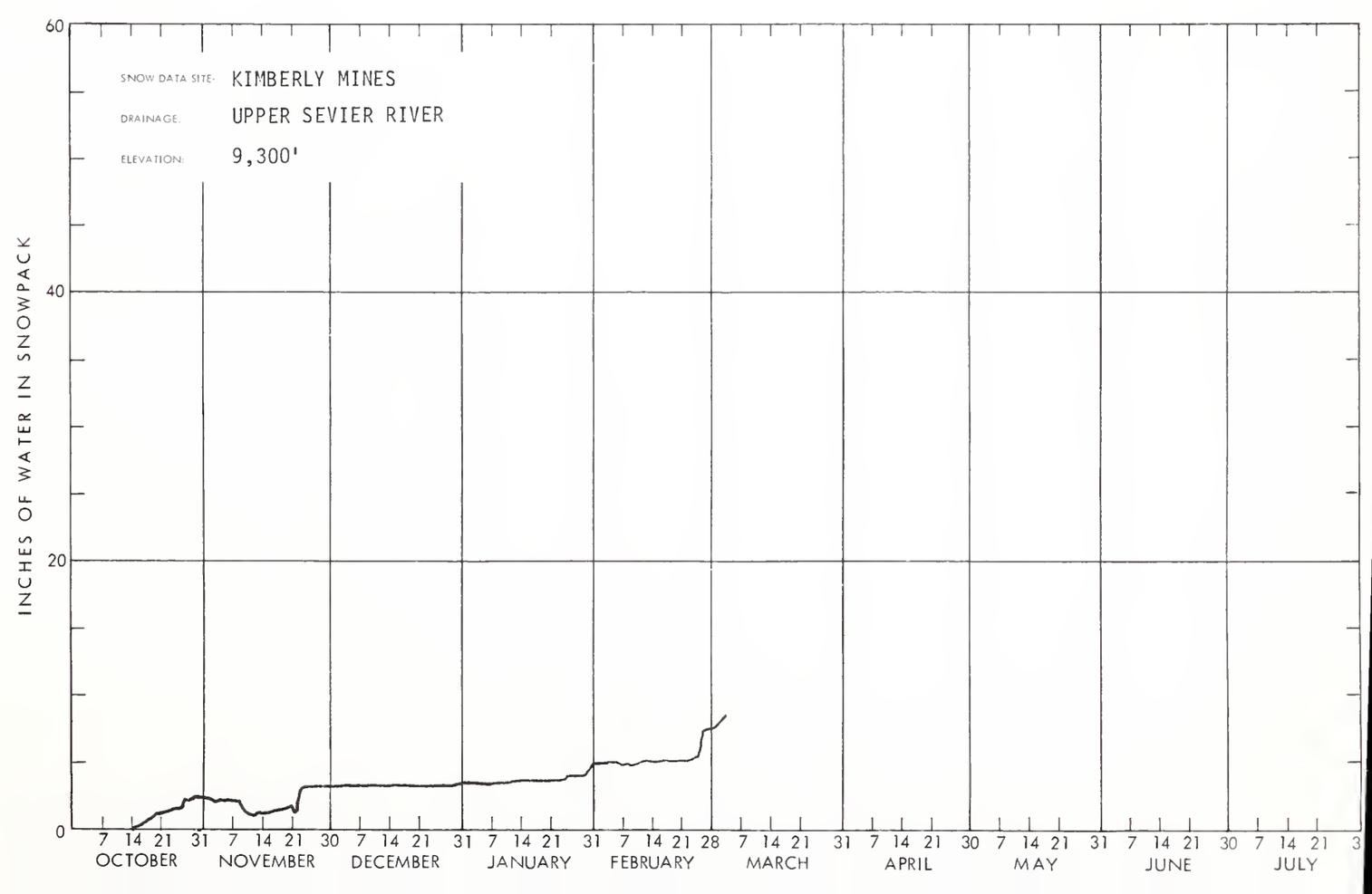

SNOW DATA SITE: ROCK CREEK RANCH
DRAINAGE: DUCHESNE RIVER
ELEVATION: 7,900'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

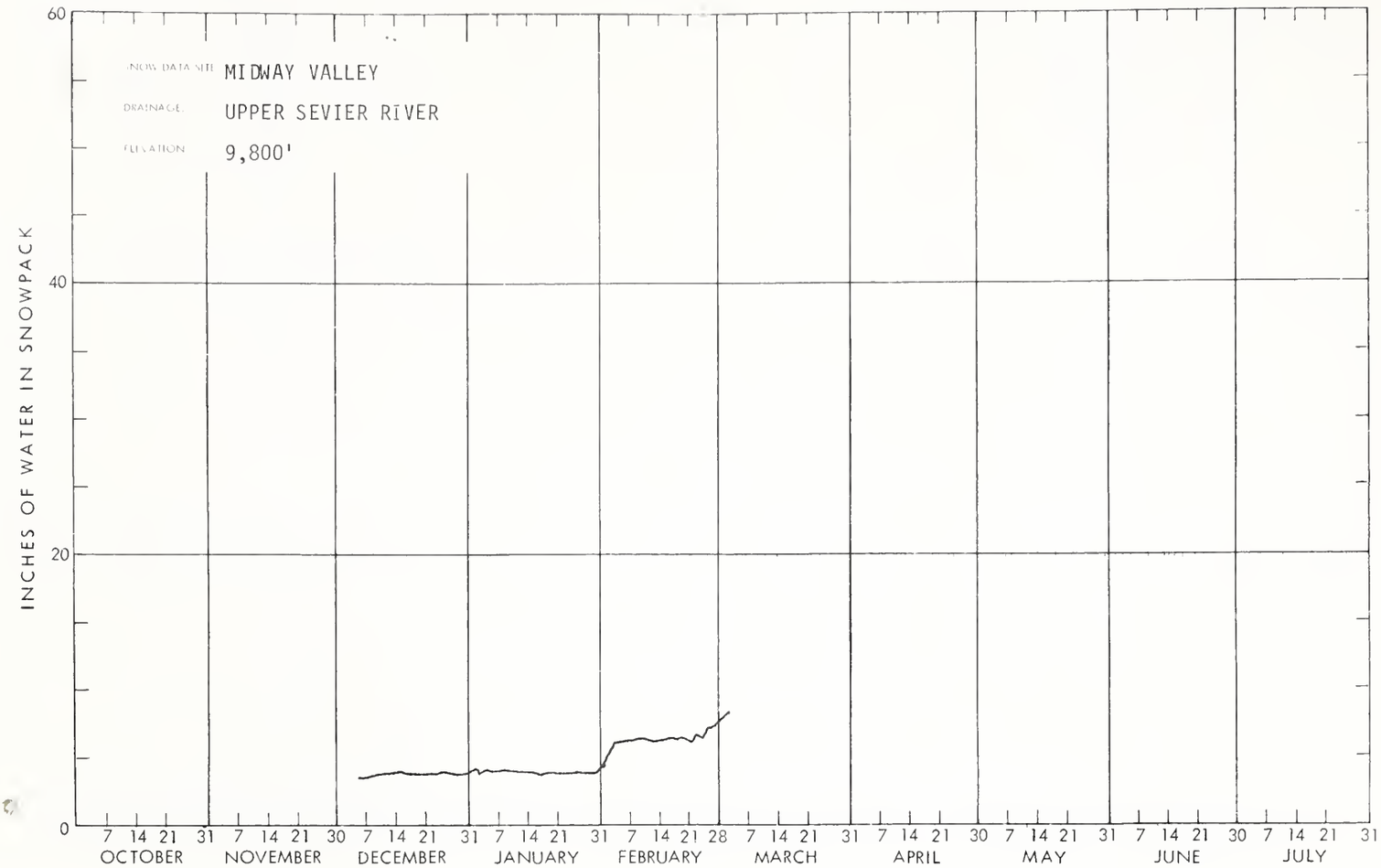

SNOW DATA SITE: VERNON CREEK
DRAINAGE: JORDAN RIVER & THE GREAT SALT LAKE
ELEVATION: 7,500'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: WHITE RIVER #1
DRAINAGE: PRICE RIVER
ELEVATION: 8,550
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

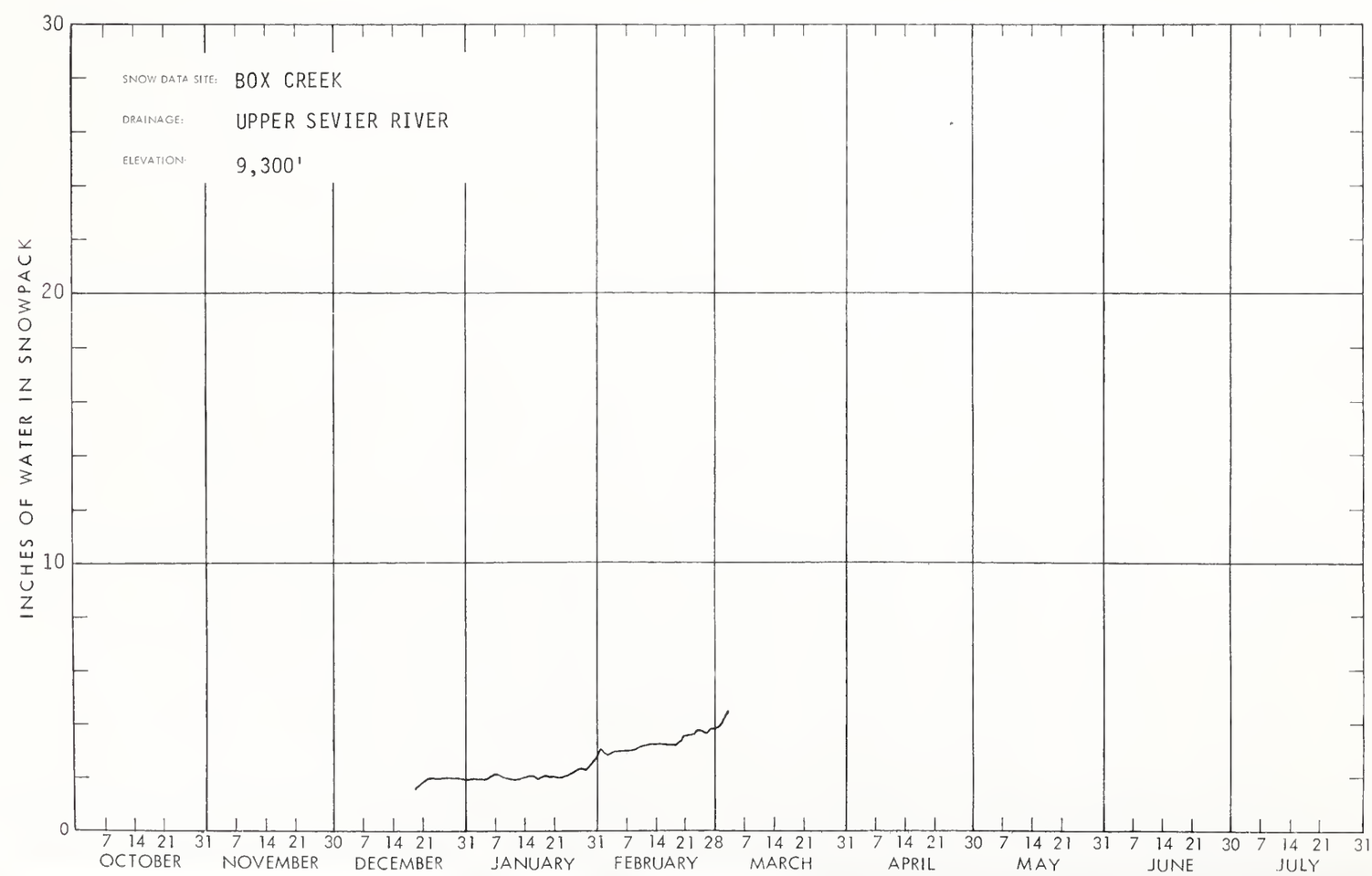

SNOW DATA SITE: BUCK FLAT
DRAINAGE: SAN RAFAEL
ELEVATION: 9,400'
INCHES OF WATER IN SNOWPACK
30
20
10
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

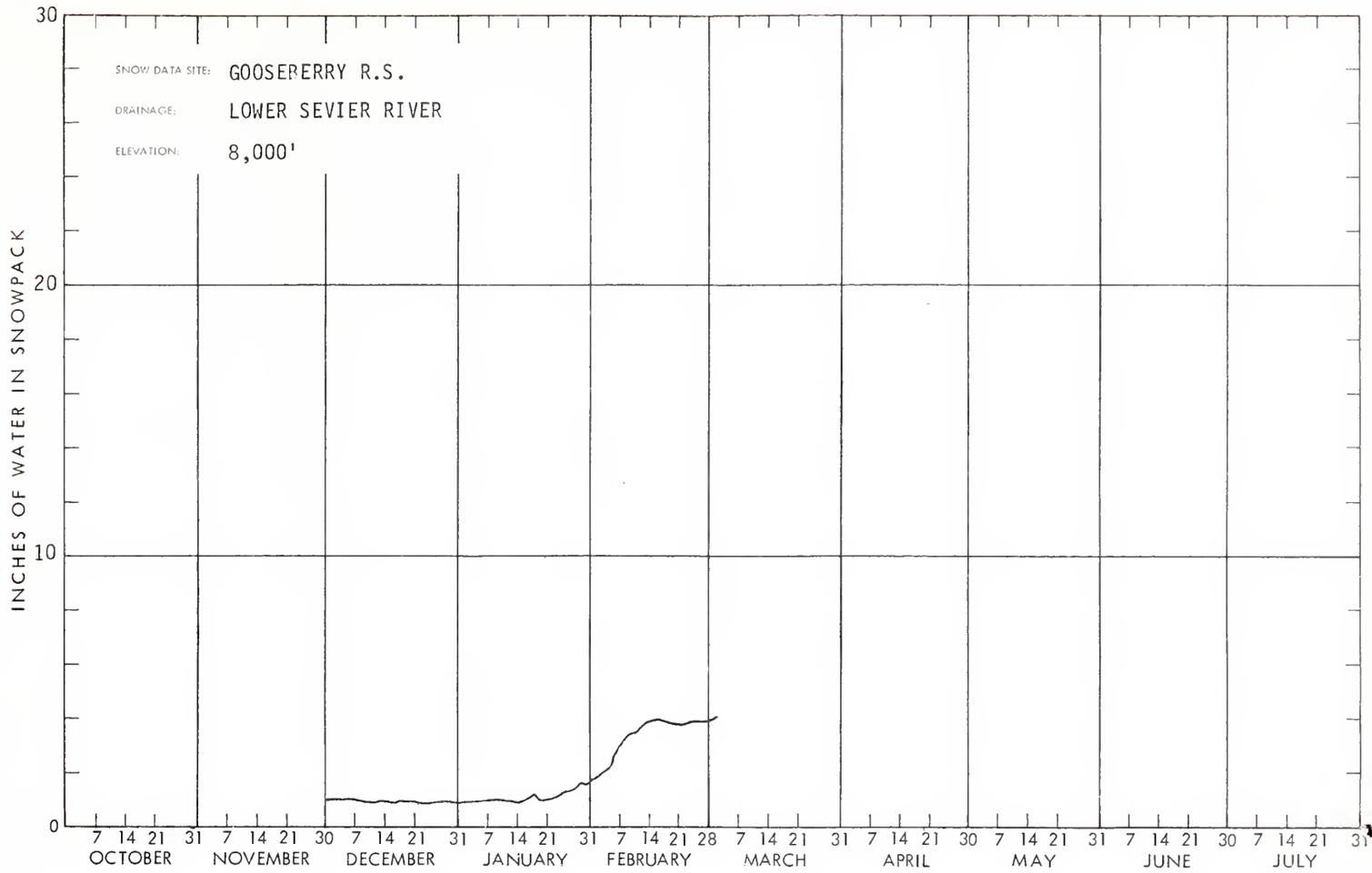
WSFB-X13C

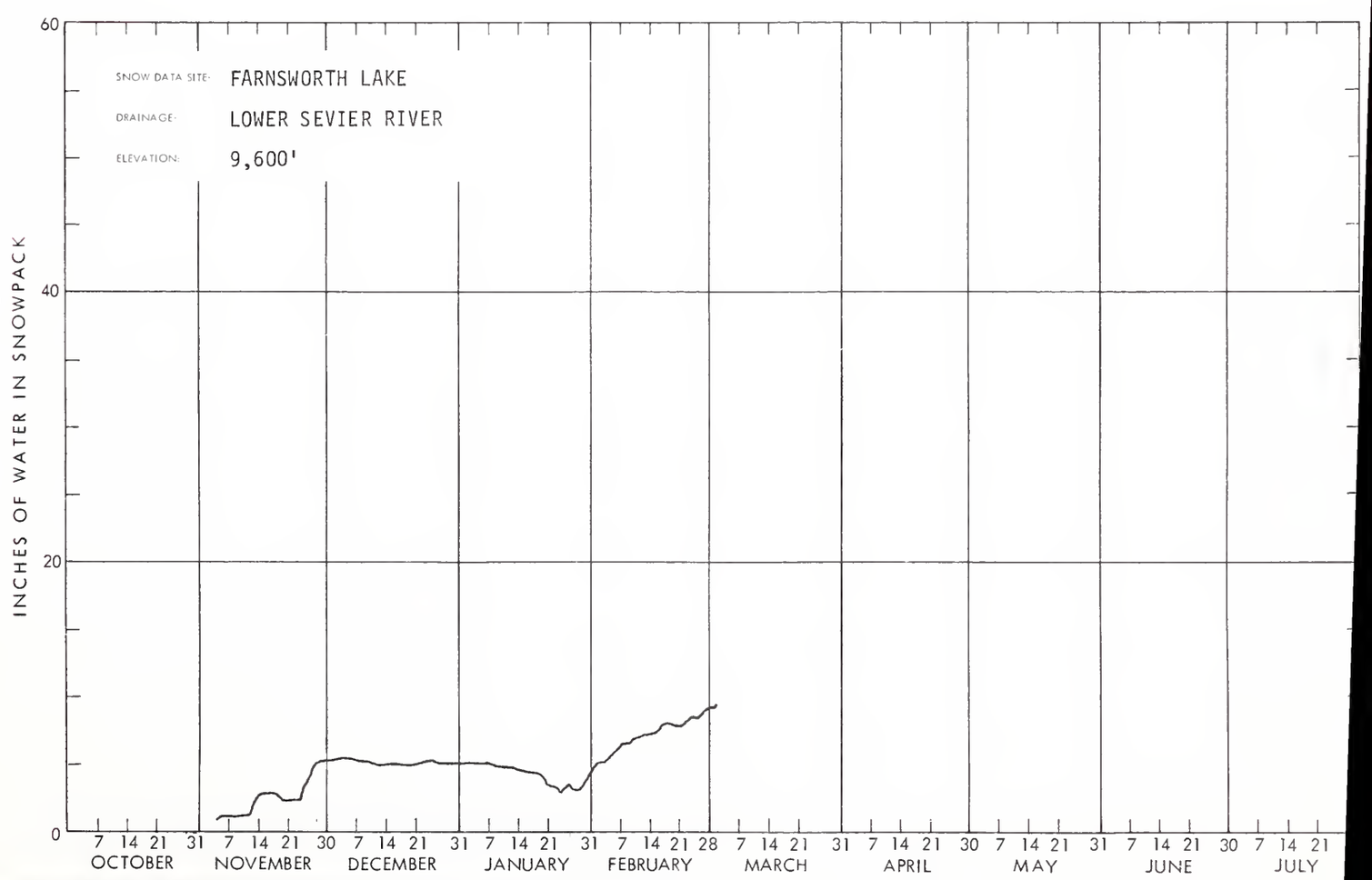

SNOW DATA SITE: KIMBERLY MINES
DRAINAGE: UPPER SEVIER RIVER
ELEVATION: 9,300'
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: MIDWAY VALLEY
DRAINAGE: UPPER SEVIER RIVER
ELEVATION: 9,800'
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

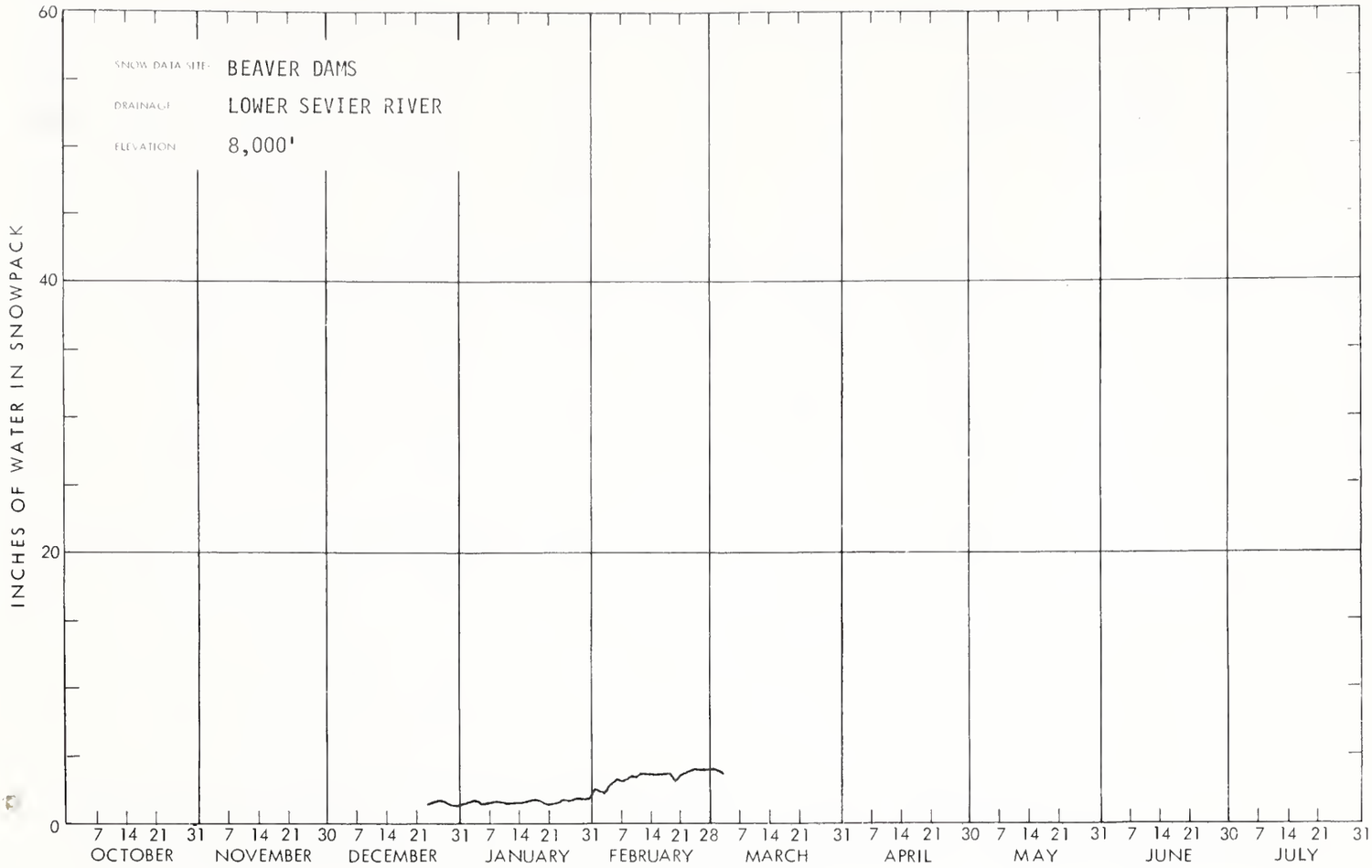
WSFB-X13A


SNOW DATA SITE: BOX CREEK
DRAINAGE: UPPER SEVIER RIVER
ELEVATION: 9,300'
INCHES OF WATER IN SNOWPACK
0
10
20
30
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

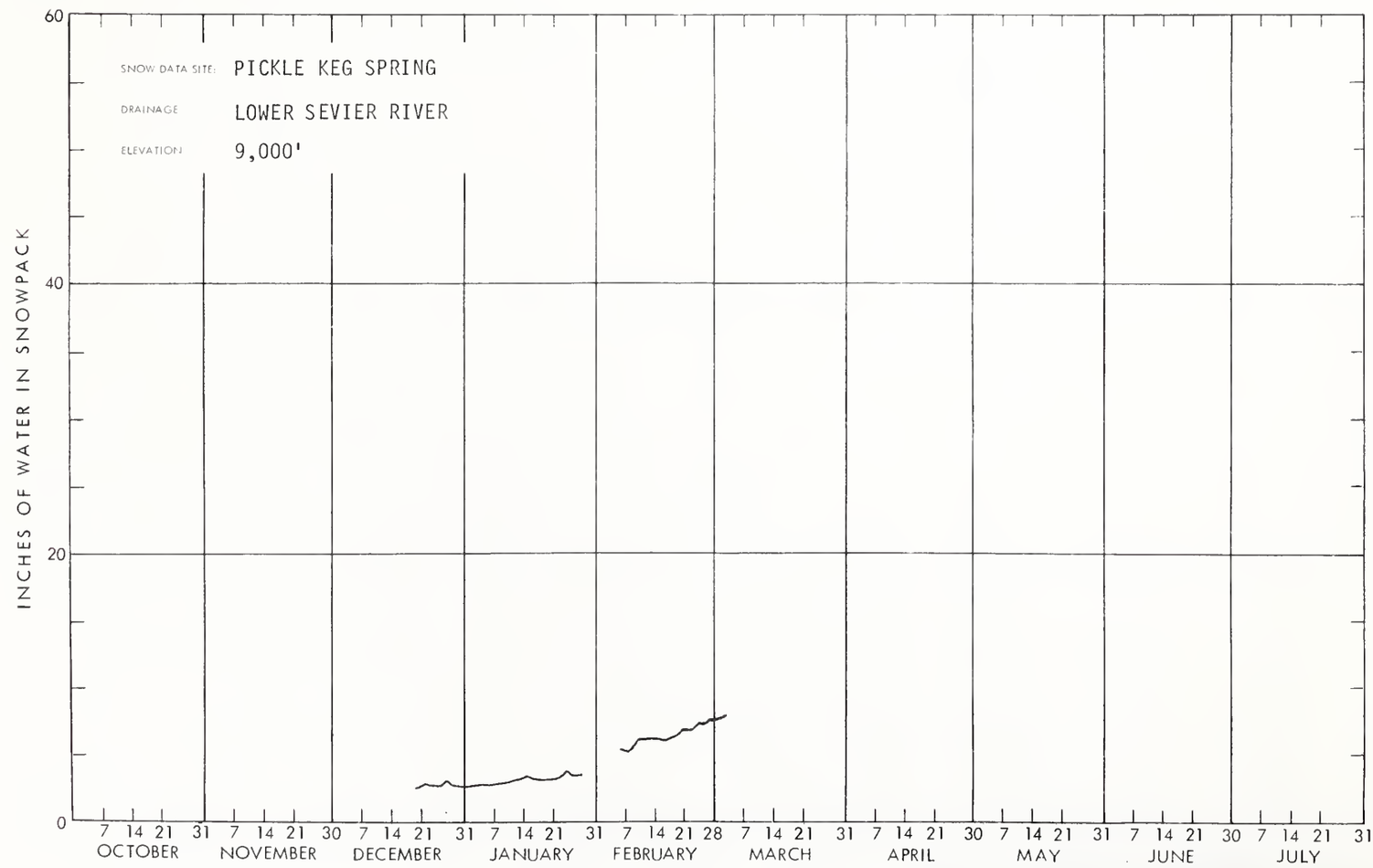

SNOW DATA SITE: GOOSEBERRY R.S.
DRAINAGE: LOWER SEVIER RIVER
ELEVATION: 8,000'
INCHES OF WATER IN SNOWPACK
0
10
20
30
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: FARNSWORTH LAKE
DRAINAGE: LOWER SEVIER RIVER
ELEVATION: 9,600'
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

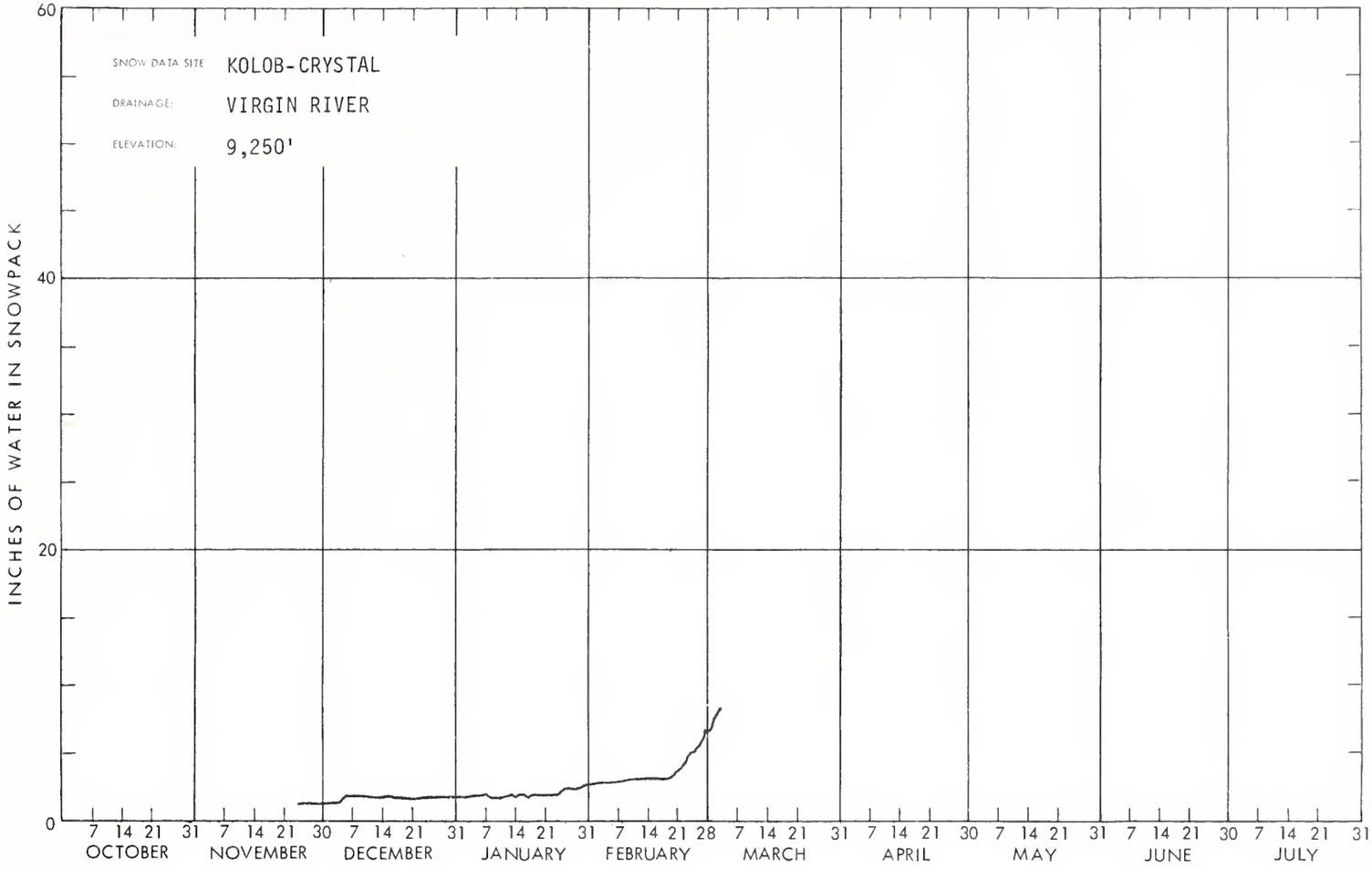
WSFB-X12C



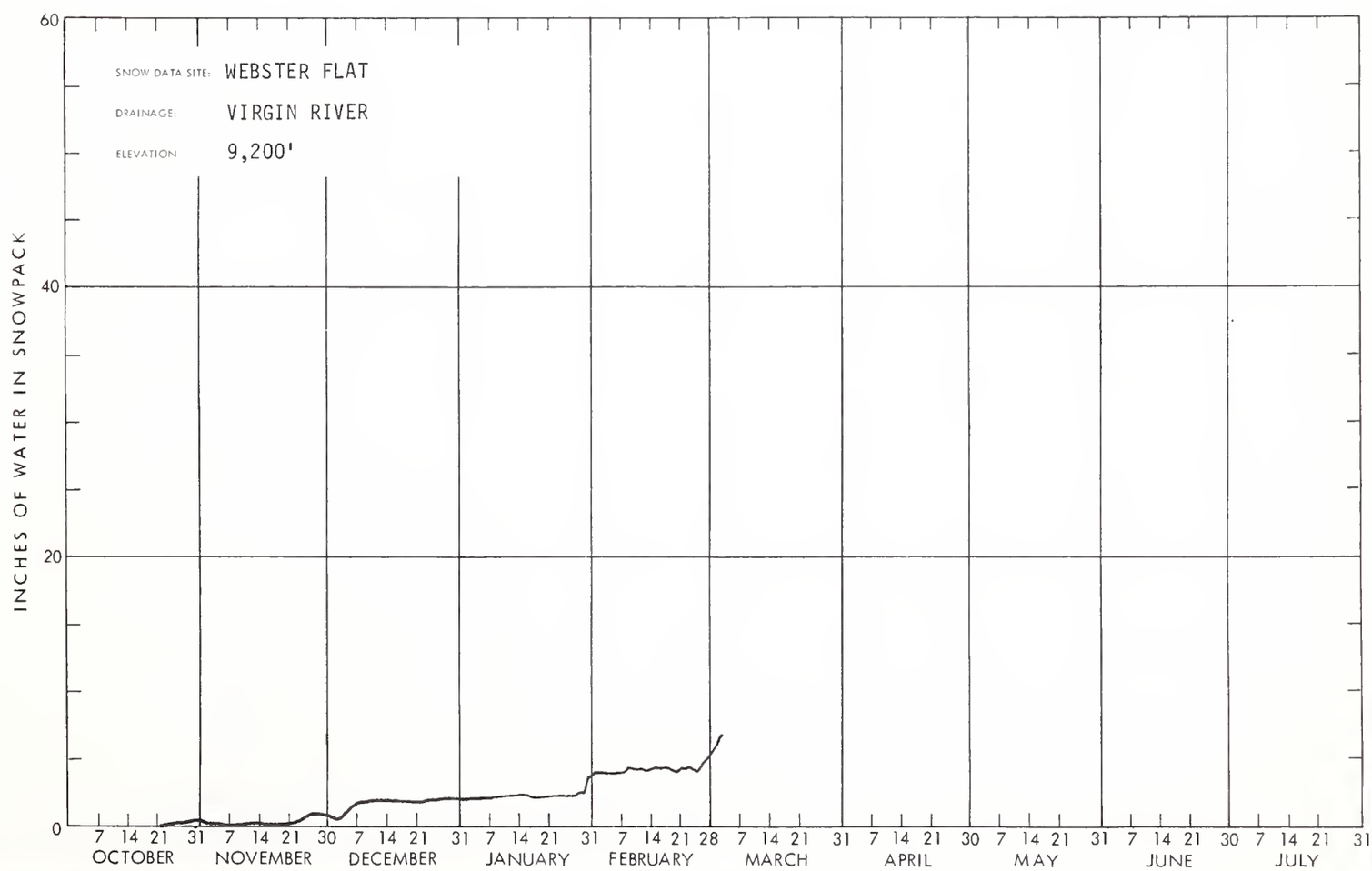
WSFB-X13C

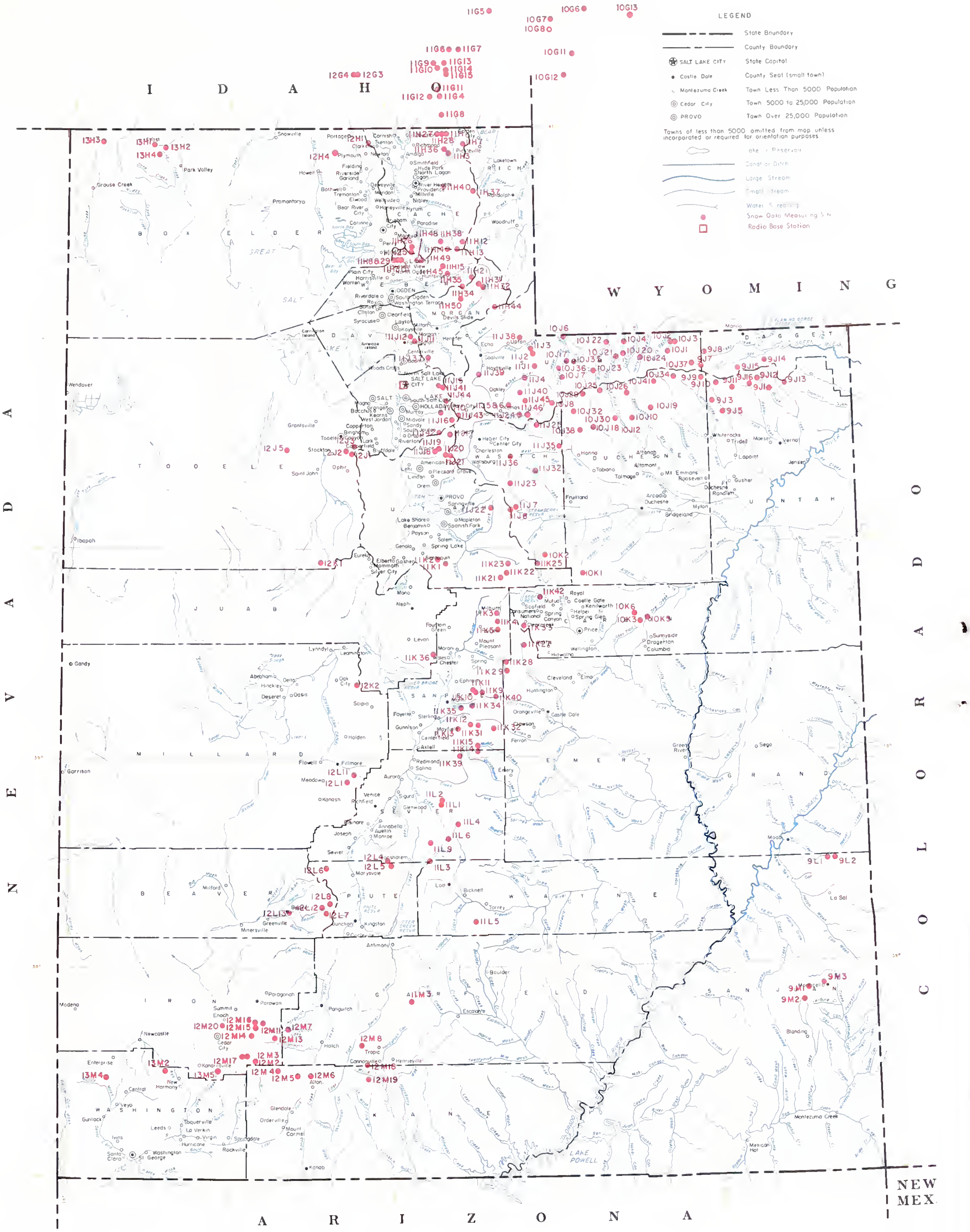


WSFB-X13C



WSFB-X13C





SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1981

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

USDA-SCS-PORTLAND, OR 1980 M7-01-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP	RGE	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poisan Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnaman Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mauth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hallow #1	7	14N	3E	8,500
11H28	U	Steep Hallow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	Georges Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	VtPant	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomand Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lamand Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundawn	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Last Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750

NO	STATE	NAME	SEC	TWP.	RGE.	ELEV.
		PROVO RIVER & UTAH LAKE (continued)				
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogas Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogas Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyan	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D Sauth Fark	18	2S	3E	7,400
12J1P	U	Racky Basin-Settlement Canyan	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernan Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (Sauth af Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyan	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Tap Mauntain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbaw Paint	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammath R.S.-Cattonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fark	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crassing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservair	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Lang Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (abave Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fark G.S.-East Fark	25	2N	12E	9,300
10J22P	U	Black's Fark Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickersan Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (abave Duchesne River) (continued)				
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCay Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynalds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiteracks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Partai	36	7S	6E	7,560
10J26ap	U	Five Paint Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jacksan Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefark Basin	13	4N	7W	11,100
10J10PST	U	Lakefark Mauntain	2 & 3	2N	5W	10,200
10J12	U	Lakefark Mauntain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mauntain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadaw Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fark af the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fark	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservair	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fark	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Dankey Reservair	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Jahnsan Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jacksan	22	34S	22E	8,600
9L1	U	LaSal Mauntain	5	27S	24E	8,800
9L2P	U	LaSal Mauntain (upper)	3	27S	24E	9,850
9M3	U	Manticella Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Lang Valley Junctian	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station.
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only.
10J7p	Storage Precipitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.
10J7PST	Sjhotel Data Site.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
  - Soil Conservation Service
  - Forest Service
- U. S. Department of Commerce
  - NOAA, National Weather Service
- U. S. Department of Interior
  - Water and Power Resources Service
  - Geological Survey
  - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
  - Division of Wildlife Resources
  - Division of Water Resources
  - Division of Water Rights
  - Bear River Commissioner
  - Price River Commissioner
  - Provo River Commissioner
  - Sevier River Commissioners
  - Spanish Fork River Commissioner
  - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4420
125 SOUTH ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

U.S.MAIL

FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"